

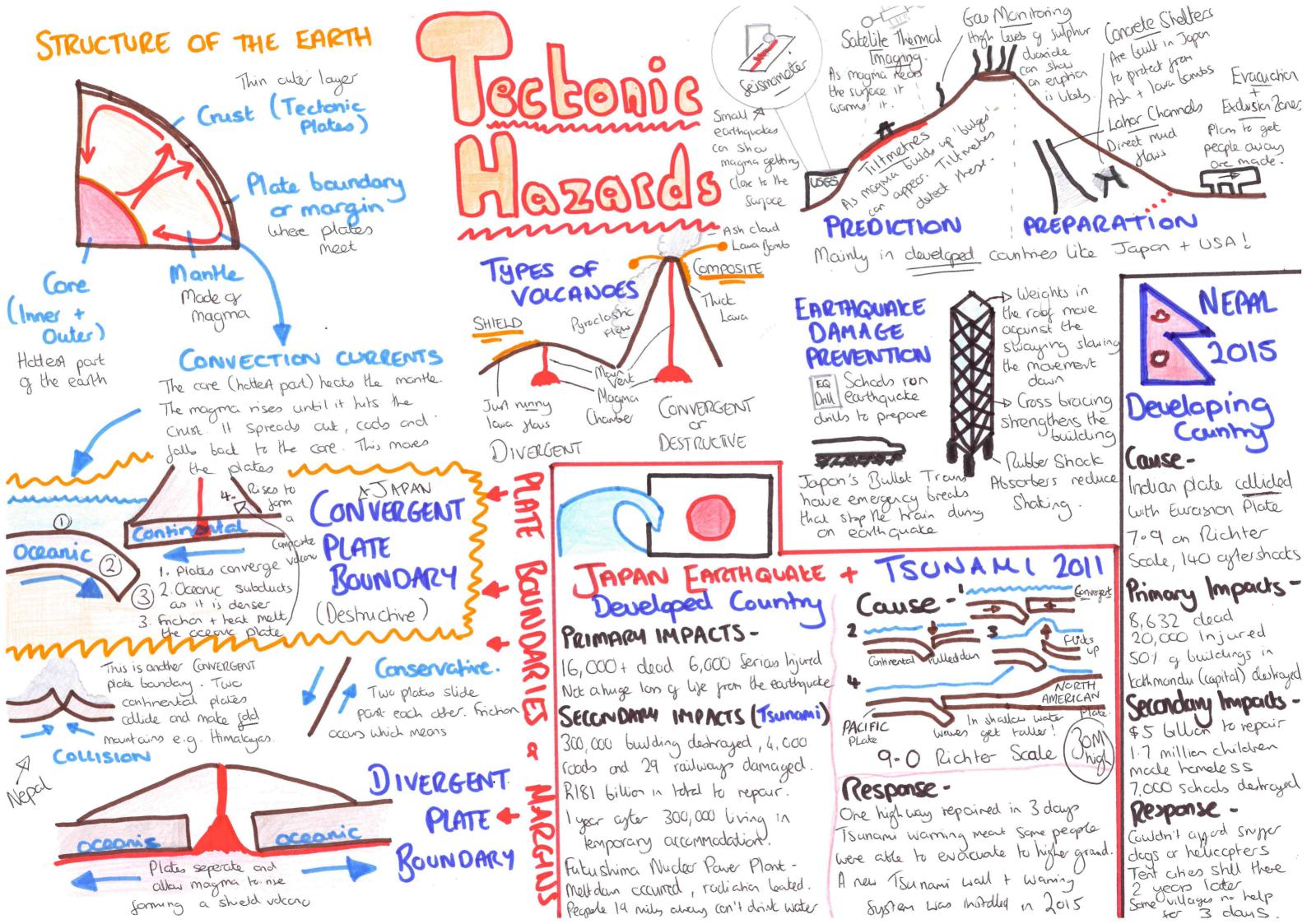
# **Revising Geography**

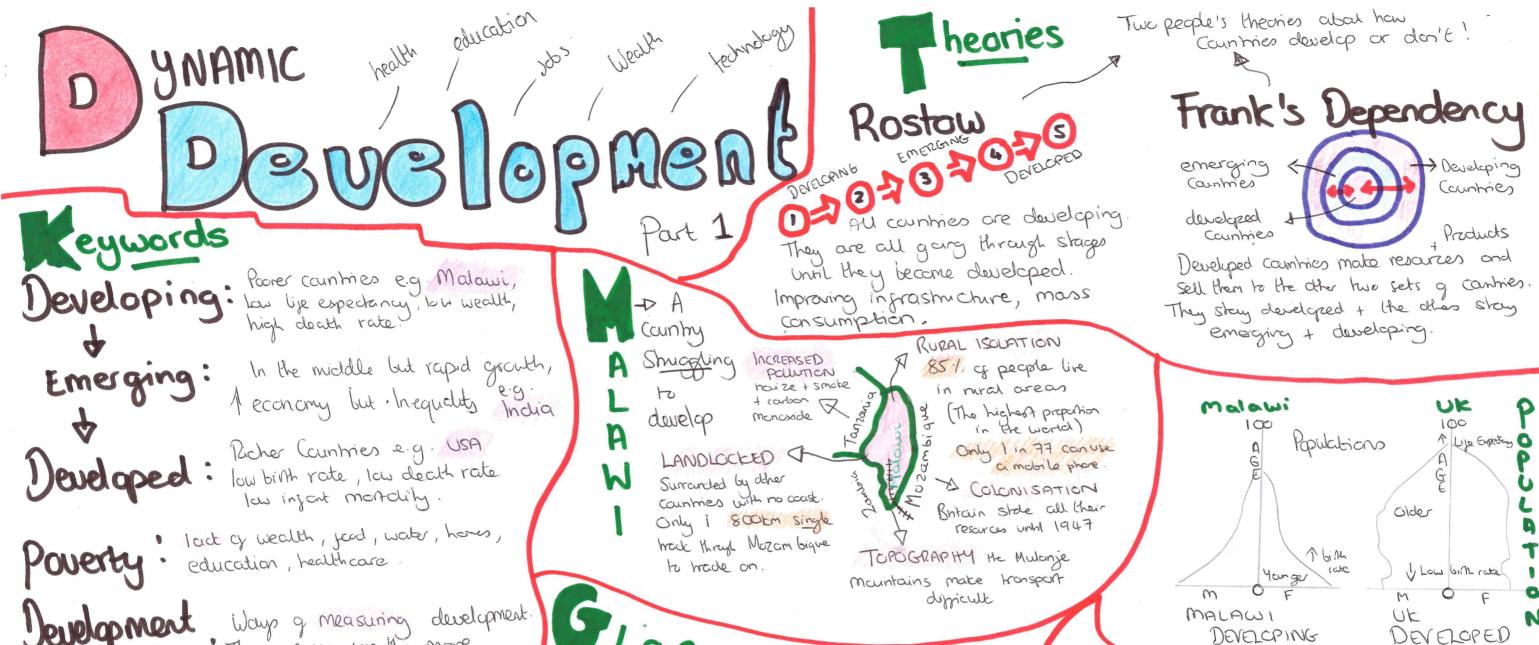
On this page are the links to two external websites with past papers and some revision resources. The most effective revision resources are the questions and mind-maps we have created which also on this page. They are split into the different papers and also into Level 1 and Level 2 (slightly harder questions).

Link to past papers and mark schemes-Geography B (9–1) from 2016 | Pearson qualifications

<u>Useful revision website (be careful they use different case studies to us, use ours)-</u> <u>Edexcel B GCSE Geography Revision (physicsandmathstutor.com)</u>







5 LOBALISATION Increased connections between countries

due to hade, technology +

12 Container Ships - con comy

tens of products all arand the world

LARGER, FASTER AIRCIRAFT - con more products

> quickly

+ THE INTERNET Whiles make brade easier. Even

TECHNOLOGY better communication

BT in Bangalore Losers

· (all centre workers Winners paid R5,000 | year " 20% g what

ST pays in

4x average salary · Learn English free · Attracts more technology companies.

· Yanger people leave rural areas

· Problems for organiculture es no work force.

A feels by people food of

& clathing

Women's Social literay ratio SMM 17-1. Sweatshop) V ShM have lover than

innural

conditions

Mirimum Wage 871. lower than

80 million employed in

begone they Con speil across different Continents.

Development Ways of measuring development. Indicators. The more you use the more accurate your measurement. Death Rate: deaths I year 11,000 people vis good

Birth Rate: births I year 11,000 people

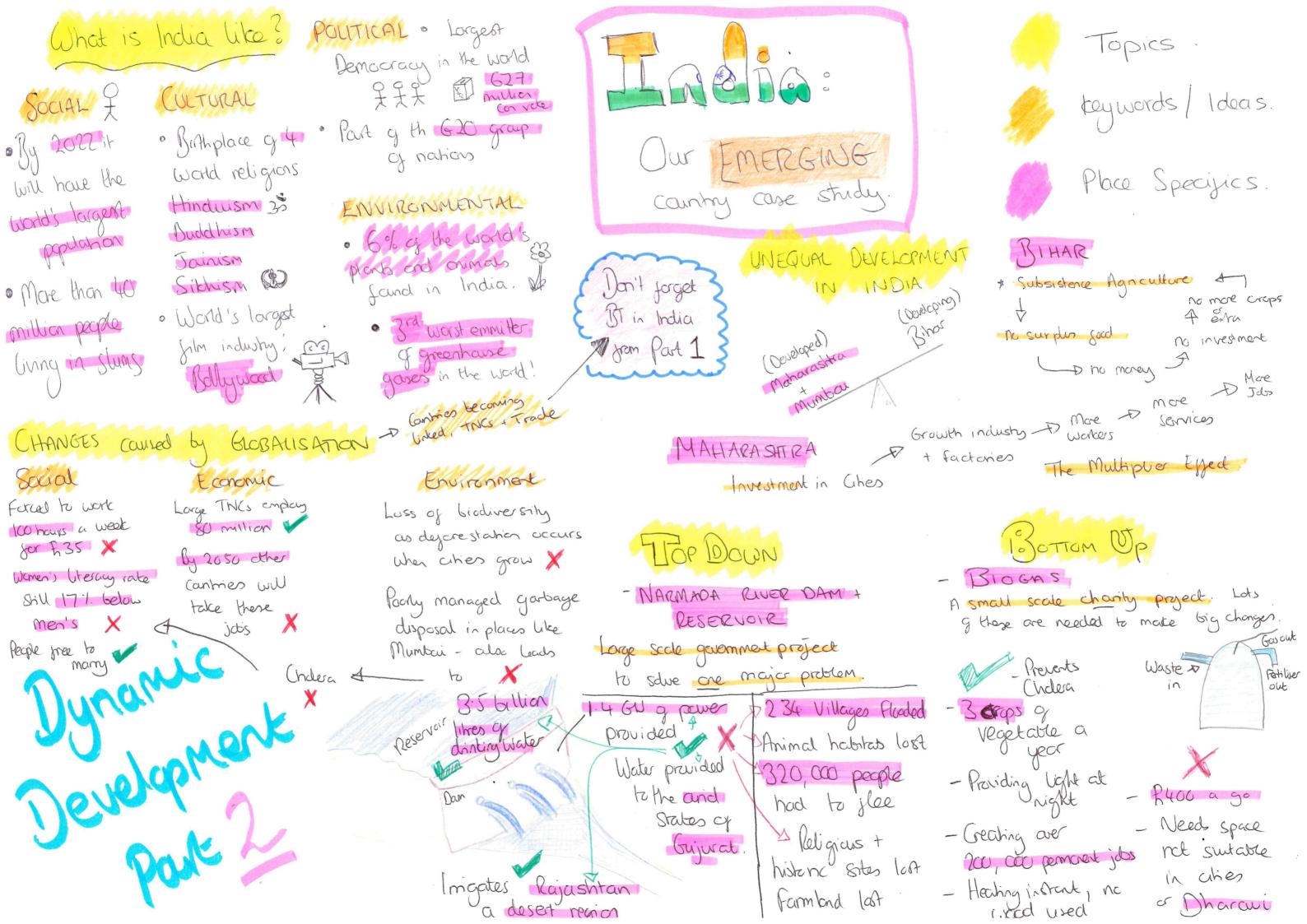
Injont Mortality: basies (1,000 61Mm) year

GOP: Money a country makes from exporting goods

HOI! Human development index - A composite number that includes lots of ideas.

Literacy Rate: % people (adults) who can read and write

People per Vodor: amount of people divided by the number of doctors.



# **Geography Wonderwall Place Specific Sheet – Development** Useful Place Specific Facts

D

M

D

M

#### Malawi- stuck as a developing country

- Malawi isn't next to a sea or an ocean this is called being landlocked. This means it is 800km away from a port.
- The railway through Mozambique is single gauge and liable to flooding.
- 85% of people in Malawi live in rural (countryside) areas.
- There is only 1 telephone per 77 people in Malawi. This makes it almost impossible to buy and sell goods or access the internet.
- The British Empire took over Malawi until 1964 companies like PG Tips get all the money from the sale of tea, the workers make 1p per KG.

# **Emerging Country**

#### India's Location and Growth

- In 2012 25% of India's exports when to the Middle East, China, Singapore and Hong Kong
- The Chinese economy a neighbouring one has doubled in size every ten years, excellent market to export to.
- India is in South East Asia where half the world's population live.
- India's economy has grown 7 times in the last 20 years
- Exports of goods increased by 20 times in 23 years.
- The economy grew nearly 7 times (measured by GDP)
- The unemployment rate dropped from 20% to 8.6%
- People living in poverty dropped from 36% to 30%
- Exports changed from tea, coffee and fish products (primary industries) to petrol, machinery, clothing and vehicles (secondary industries)
- TNCs such are Oracle (a computer technology company) and major international banks like Merrill Lynch have heavily invested in telecoms and services. The service economy has grown the most.

#### India and Globalisation (BT and other TNCs in India)

- BT Call Centre worker- £5000 a year good wage in India. 4 times the average salary but has to work 6 days a week
- BT pays roughly 20% of what it pays in the UK but faces high competition with 52 of the top 100 richest companies are in India
- 58% of India's GDP is driven by growth in services like IT
- A lots of the profits leave India.
- Rural areas not have a shortage of works in agriculture. 13% less.



# Impacts of Globalisation on India

#### Economic

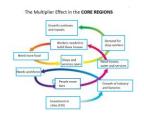
- 200 Million of the 1.2 Billion people of working age in India are on excellent salaries.
- Large TNCs now employ over 80 Million people in clothing factories.
- India's minimum wage is 87% lower than the UK, so TNCs like Gap and Zara save huge amounts on wages.
- Other developing countries are expected to take these jobs away from INDIA by 2050 as it will be cheaper to produce clothes with lower wages.

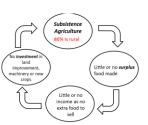
#### **Social**

- 70% of employees in clothes factories are young women because they can be paid less.
- Although there have been improvements women's literacy rates remain 17% lower than men's.
- Many sweatshops will not allow women back to work after raising children which would be illegal in the UK.
- More hospitals can now be found in rural areas increasing the number of doctors and raising the life expectancy by 9 years over just 23 years.
- Infant Mortality rates have fallen 50% since 1991 mainly due to increased safe water supplies reducing the risk of diarrhoea or cholera.

# Specific Region Growth in India (Maharashtra vs Bihar)

- Maharashtra has the multiplier effect caused by the 2<sup>nd</sup> biggest port in the country, textiles industry and the financial hub, 12 Universities in Mumbai, and entertainment such a Bollywood
- Bihar has the poverty cycle caused by Caste-based society where lower caste's are less literate, Only 59% have electricity, 1/3 complete primary school, and Women are poorest and have literacy rates of 33% (lowest in India)





# **Top Down Development- Narmada River Dam Benefits**

The dam is one of the largest in the world at 80 metres high, in the future it may be raised to 163 metres.

It provides 3.5 billion litres of drinking water to India's cities as well a hydro-electric power.

A network of canals take the wat over 1.8 million hectares of farmland across 4 states.

The plan is back by the World Bank and Japanese banks who helped fun the massive project.

#### **Problems**

The electricity is sold at a high price meaning the rural villages can not afford it and so don't benefit.

Locals had their land flooded to create the reservoir behind the dam. 324 villages were flooded to create the dam forcing 320,000 people out of their homes.

Good quality farmland downstream is lost as the dam stops the sediment (rocks) that the river is carrying from reaching the floodplains and making them fertile.

# **Bottom Up Development- Biogas Benefits**

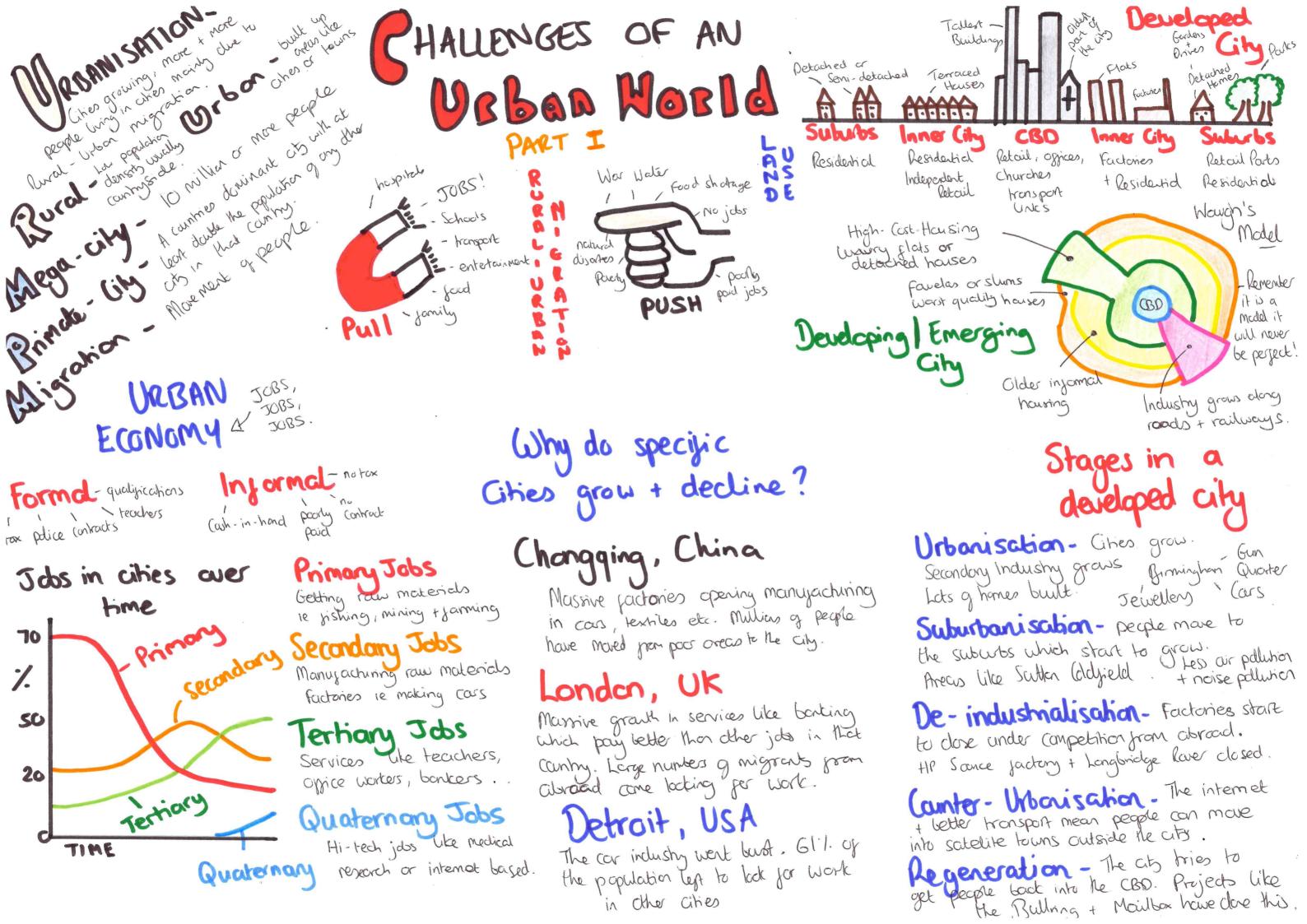
#### Intermediate technology where low tech solutions are created using local materials and expertise to solve local problems. Cow Dung or enzymes from cow's stomachs produces a gas called biogas

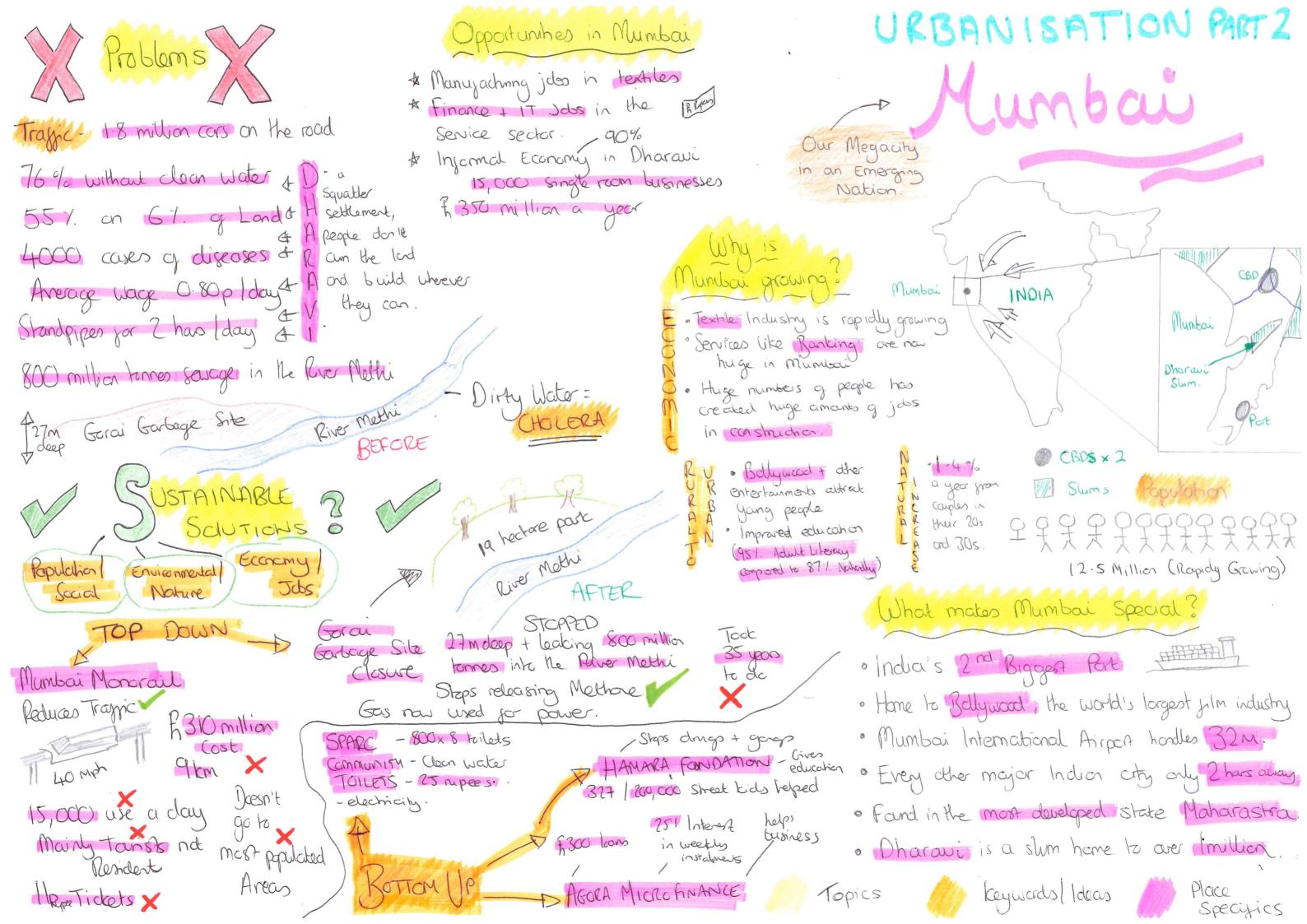
- Families need to collect 25-30kg of fuelwood every week to cook food girls now have time to go to school.
- This has created 200,000 permanent jobs mostly in rural areas.
- The plants can be used to pump water for irrigation which means that farmers can now grow three crops a year.

# The way of visiting a projection 2. Bottom-up Tournell and the second of the second

#### Issues

- Require funding to build which is hard to get in rural areas
- · Doesn't work in urban areas.
- Very small scale from a project called ASTRA





# **Development Keywords**

What is the difference between a developing country, an emerging country and a developed country?

What are development indicators and why do we use them? Name and explain 3 different development indicators we could use to help determine how developed a country is. What is HDI and why is it a composite number?

# **Development Models**

Name 2 theories of development and briefly describe why they are different.

Name a country that is prevented from developing for a variety of reasons. Explain 4 reasons why that country is not able to develop quickly.

### **Globalisation Introduction**

What is globalisation?

Name 3 improvements to the world's infrastructure which have lead to globalisation.

What is a TNC? Name an example

# An emerging (or developing) country case study

Name our developing or emerging country.

Describe 1 feature of your country for each of the following categories; social, political, cultural and environmental.

Explain 3 ways India tries to work with other countries

Explain 2 benefits and 2 problems globalisation has caused in the country that you have studied.

Name a TNC that is now based in your country.

Explain three specific benefits that a named TNC has had on your country (be place specific).

Explain two issues that the same TNC has caused in the country that you have studied.

Within your country there has been unequal development, name two areas within your country that have different levels of development. Explain why one area of the country that you have studied is not developing very quickly.

Explain why one area of the country that you have studied is developing very quickly.

What is the difference between top down and bottom up management in a country?

Explain 1 top-down sustainable solution to improve development in your country. Try to give three place specific facts. Give 1 issue with the top-down solution to improve development in your country.

Explain 1 bottom up sustainable solution to improve development in your country. Try to give three place specific facts. Give 1 issue with the bottom-up solution to improve development in your country.

# **Development Keywords**

What is the difference between a developing country, an emerging country and a developed country?

What are development indicators?

Name and explain 3 different development indicators we could use to help determine how developed a country is. What is the Human Development Index?

# **Development Models**

Name 2 theories of development.

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### **Globalisation Introduction**

What is globalisation?

Name 3 improvements to the way the world which have lead to globalisation.

What is a Transnational Corporation? Name an example

# An emerging (or developing) country case study

Name our developing or emerging country.

Describe 1 thing about your country for each of the following categories; social, political, and environmental. Explain 3 ways India tries to work with other countries

Describe 2 benefits and 2 problems globalisation has caused in the country that you have studied.

Name a TNC that is now based in your country.

Name 2 specific benefits that a named TNC has had on your country (be place specific).

Name 2 issues that the same TNC has caused in the country that you have studied.

Name an area of the country that you have studied which is developed and an area which is not.

Describe why one area of the country that you have studied is not developing very quickly.

Describe why one area of the country that you have studied is developing very quickly.

What is top-down management? What is bottom up management?

Give 1 top-down sustainable solution to improve development in your country. Give 3 benefits of it.

Give 1 issue with the top-down solution to improve development in your country.

Give 1 bottom up sustainable solution to improve development in your country. Give 3 benefits of it.

Give 1 issue with the bottom-up solution to improve development in your country.

# **Climate and Weather Keywords**

What is the difference between climate and weather? Why is it an important comparison to make?

What is high pressure? What weather is it likely to cause?

What is low pressure? What weather is it likely to cause?

What is the Hadley Cell? (Draw a diagram) How does it lead to tropical rainforests and deserts?

# **Climate Change**

Name 4 causes of climate change and explain whether they would cause warming or cooling (or both) and why.

Describe 3 ways in which scientists know that the climate changed in the past.

Explain what the greenhouse effect is with a diagram. Explain what the ENHANCED greenhouse effect is.

Explain 3 ways in which human activities have contributed to the enhanced greenhouse effect.

Give three possible consequences of climate change in the future.

# **Tropical Cyclones and Case Studies**

Describe the distribution of tropical cyclones around the globe.

Give the 2 other names tropical cyclones can be given depending on the ocean they form over.

What conditions do there need to be for a tropical cyclone to form? Describe the characteristics of a tropical cyclone (Draw a diagram)

What is used to measure tropical cyclones? How are they measured.

Describe 3 hazards that tropical cyclones can cause.

Describe 3 management techniques used to save lives before, during and after tropical cyclones.

**CASE STUDIES** (Do all of the following for an example in a developing **and** developed country)

Name the location of the tropical cyclone, and the date.

Explain how prepared the country was? What forecasting and warnings had been given.

Describe the level of defences in place in that country.

Explain 3 impacts on the country.

Explain 2 responses that country had to the tropical cyclone.

# **Climate and Weather Keywords**

What does climate mean? What does weather mean?

Draw a diagram of high pressure? Do you get rainfall? Why/Why not?

Draw a diagram of low pressure? Do you get rainfall? Why/Why not?

What type of pressure happens over tropical rainforests? What type of pressure happens over deserts?

# **Climate Change**

Describe 4 causes of climate change and say whether they would cause warming or cooling (or both).

Name 2 ways in which scientists know that the climate changed in the past.

Explain what the greenhouse effect is with a diagram. How have humans made the earth warmer?

Describe 3 things humans have done to make the earth warmer.

Give three possible consequences of climate change in the future.

# **Tropical Cyclones and Case Studies**

Where would you find tropical cyclones around the globe.

Give one other name of a tropical cyclone (think USA).

What conditions do there need to be for a tropical cyclone to form?

Draw a labelled diagram of a tropical cyclone.

What scale is used to measure tropical cyclones? How are they measured.

Describe 3 hazards that tropical cyclones can cause.

Describe 3 management techniques used to save lives before, during and after tropical cyclones.

**CASE STUDIES** (Do all of the following for an example in a developing **and** developed country)

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Describe the level of defences in place in that country.

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Name 2 responses that country had to the tropical cyclone.

# **Structure of the earth + plate boundaries**

Draw a cross sectional diagram of the structure of the earth. Label the layers and describe their characteristics.

The outer layer is the crust. What is it split into?

Where do you find volcanoes and large earthquakes?

What makes the tectonic plates move? (Draw a diagram)

Draw and describe what happens at a convergent boundary.

Draw and describe what happens at a collision boundary.

Draw and describe what happens at a divergent boundary.

Draw and describe what happens at a conservative boundary.

#### **Volcanoes**

Draw and label the two types of volcano.

Draw and explain how a composite volcano is formed.

Describe 4 different hazards that volcanoes can create.

Name and explain 3 ways scientists can predict volcanic eruptions.

Name and explain 3 ways scientists can prepare and save lives during volcanic eruptions.

Explain why a developed country like Japan would have more success in saving lives during a volcanic eruption than a developing country.

# Earthquakes and Tsunami

Describe how a tsunami is formed (Draw a diagram)

Explain 3 ways in which Japan (or another developed country) prepares for Earthquakes.

# **Developed Country Case Study**

Name the location and magnitude of the earthquake.

Describe the cause of the earthquake and some of the background information (Think Tsunami).

Explain the PRIMARY impacts of the earthquake Explain the SECONDARY impacts of the earthquake

Explain what responses the country had and how effective they were.

# **Developing Country Case Study**

Name the location and magnitude of the earthquake.

Describe the cause of the earthquake and some of the background information.

Explain the PRIMARY impacts of the earthquake Explain the SECONDARY impacts of the earthquake

Explain what responses the country had and how effective they were.

# **Structure of the earth + plate boundaries**

Draw a cross sectional diagram of the structure of the earth. Label the layers and describe their properties.

The outer layer is the crust. What is it split into?

Where do you find volcanoes and large earthquakes?

Explain how convection currents work.

Draw and explain what happens at a convergent boundary.

Draw and explain what happens at a collision boundary.

Draw and explain what happens at a divergent boundary.

Draw and explain what happens at a conservative boundary.

## **Volcanoes**

Draw and label the two types of volcano. Compare them.

Draw and explain how a composite volcano is formed.

Explain 4 different hazards that volcanoes can create which may take lives.

Name and explain 4 ways scientists can predict volcanic eruptions.

Name and explain 4 ways scientists can prepare and save lives during volcanic eruptions.

Explain why a developed country like Japan would have more success in saving lives during a volcanic eruption than a developing country. (Think Before, During and After the eruption)

# Earthquakes and Tsunami

Explain how a tsunami is formed (Draw a diagram)

Explain 4 PLACE SPECIFIC ways in which Japan (or another developed country) prepares for Earthquakes.

# **Developed Country Case Study**

Name the location and magnitude of the tectonic hazard.

Explain the cause of the tectonic hazard and some of the background information (Think Tsunami).

Explain the PRIMARY impacts of the tectonic hazard.

Explain the SECONDARY impacts of the tectonic hazard

Evaluate the success of the responses the country to the tectonic hazard.

# **Developing Country Case Study**

Name the location and magnitude of the tectonic hazard.

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Explain the PRIMARY impacts of the tectonic hazard.

Explain the SECONDARY impacts of the tectonic hazard

Evaluate the success of the responses the country to the tectonic hazard.

# **Tectonic Hazards**- Level 2

# **Urbanisation Terminology**

What is a primate city?
What is a megacity?
Name six reasons for rural to urban migration

What is migration?

Explain what the process of urbanisation

is.

# The Urban Economy

What does the term urban economy relate to?

What is the difference between the formal and informal economy? Give examples.

What are the four sectors which jobs can be categorised by? Give an example of each.

Why has the quaternary sector only appeared at the end of the 20th century?

Why did the secondary sector rise and fall in the UK during the 20th century?

# **Changes to cities**

Describe the structure of a developed city.

Explain why there are different land uses in the three parts of a developed city.

How have developed cities changed over time?

Explain why developed cities need to regenerate and how they have done that.

Give 2 specific examples of how specific cities have grown.

Explain why a city's population might decline.

# An emerging country's megacity case study

Name a city in an emerging country you have studied

Describe 3 characteristics of your city (Ideally one social, one economic and one environmental.

Explain 2 place specific reasons why your cities population is growing rapidly.

Explain 2 reasons why the city is growing economically.

Explain 4 major problems your city faces (be place specific)

What is the difference between top down and bottom up management?

Explain 1 top-down sustainable solution to the problems in your city.

Explain 2 bottom-up sustainable solutions to the problems in your city.

# **Urban World Questions**

Level 2

# **Urbanisation Terminology**

What is a primate city?
What is a megacity?
Name 4 reasons for rural to urban migration
What is migration?

What does urbanisation mean?

# The Urban Economy

What do the terms urban and economy mean? What is the formal economy? Give an example What is the informal economy? Give an example

Name the four sectors of jobs. Give an example of each.
Why have we only recently had an increase in quaternary jobs?
Why did the number of manufacturing jobs rise and fall in the UK during the 20<sup>th</sup> century?

# **Changes to cities**

Name the three layers of a developed city.

Describe what land use you would find in each layer.

Name the 5 stages a developed city has gone through. Give an example from Birmingham in each.

What does regeneration mean?

Give 2 specific examples of how specific cities have grown.

Explain why a Detroit's population declined.

# An emerging country's megacity case study

Name a city in an emerging country you have studied Describe 3 characteristics of your city (Ideally one social, one economic and one environmental.

Describe 2 place specific reasons why your cities population is growing rapidly.

Describe 2 reasons why the city is growing economically.

Describe 4 major problems your city faces (be place specific)

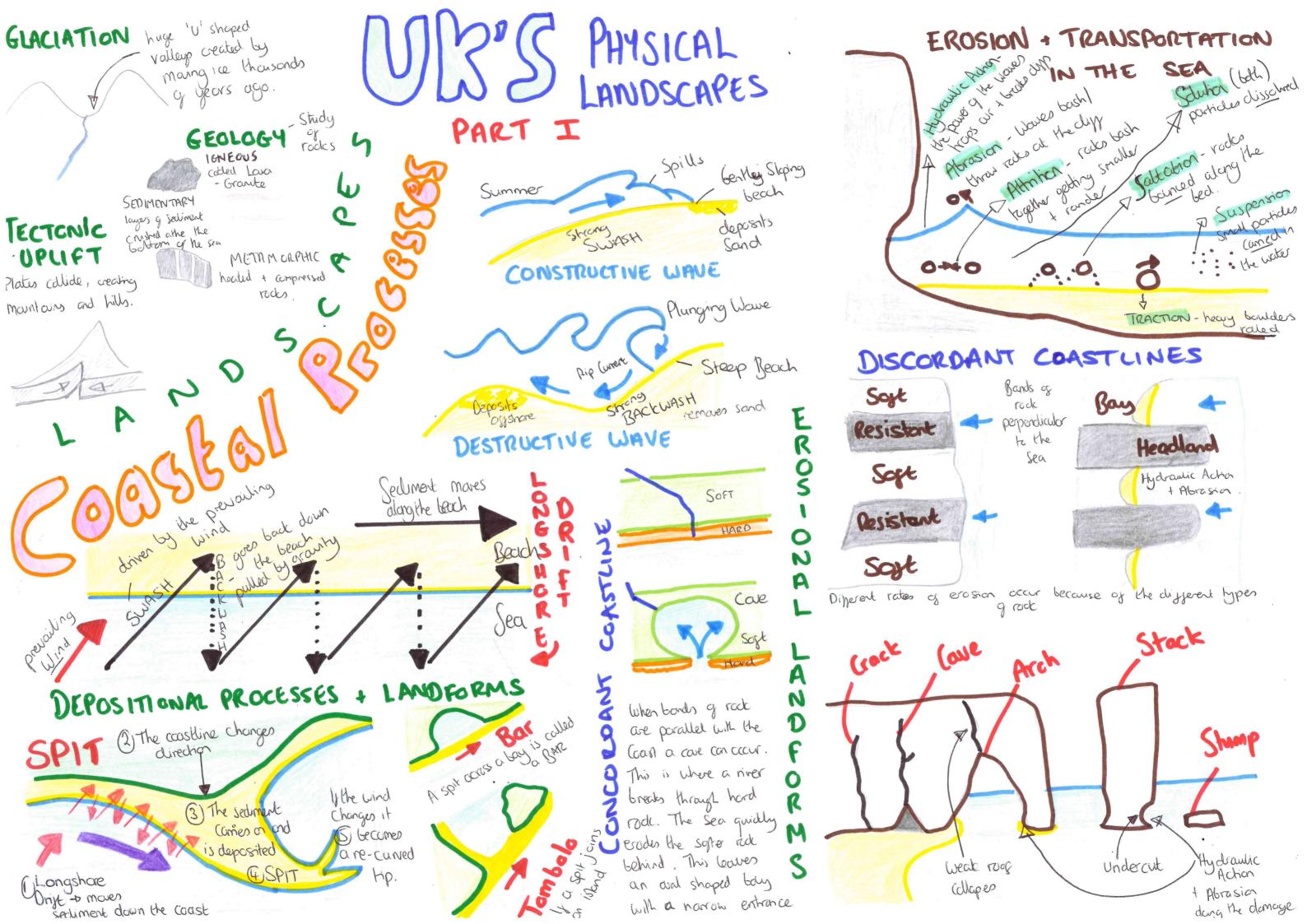
What does top-down mean? What does bottom-up mean?

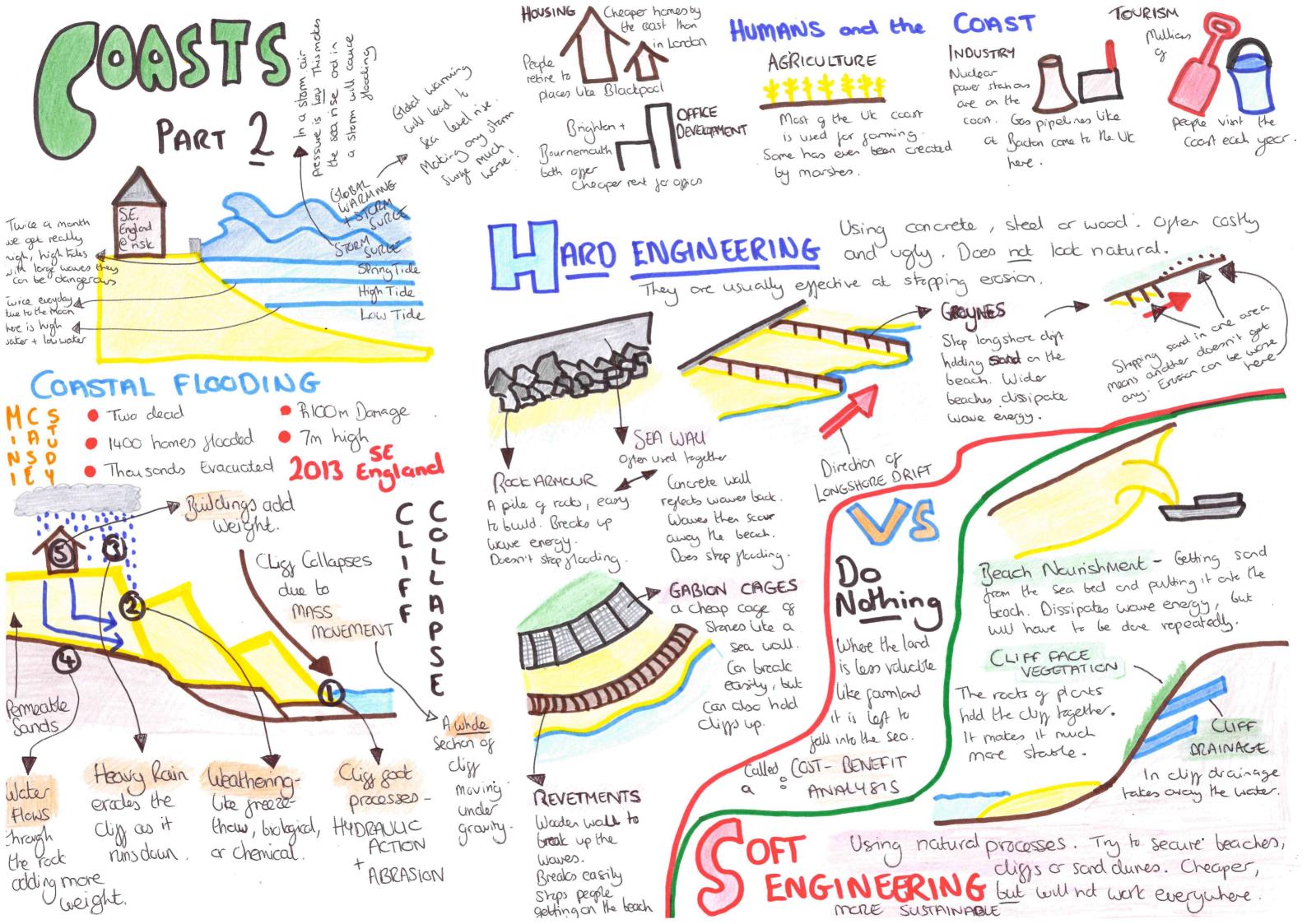
Give 2 good things and 2 bad things about the Mumbai Monorail.

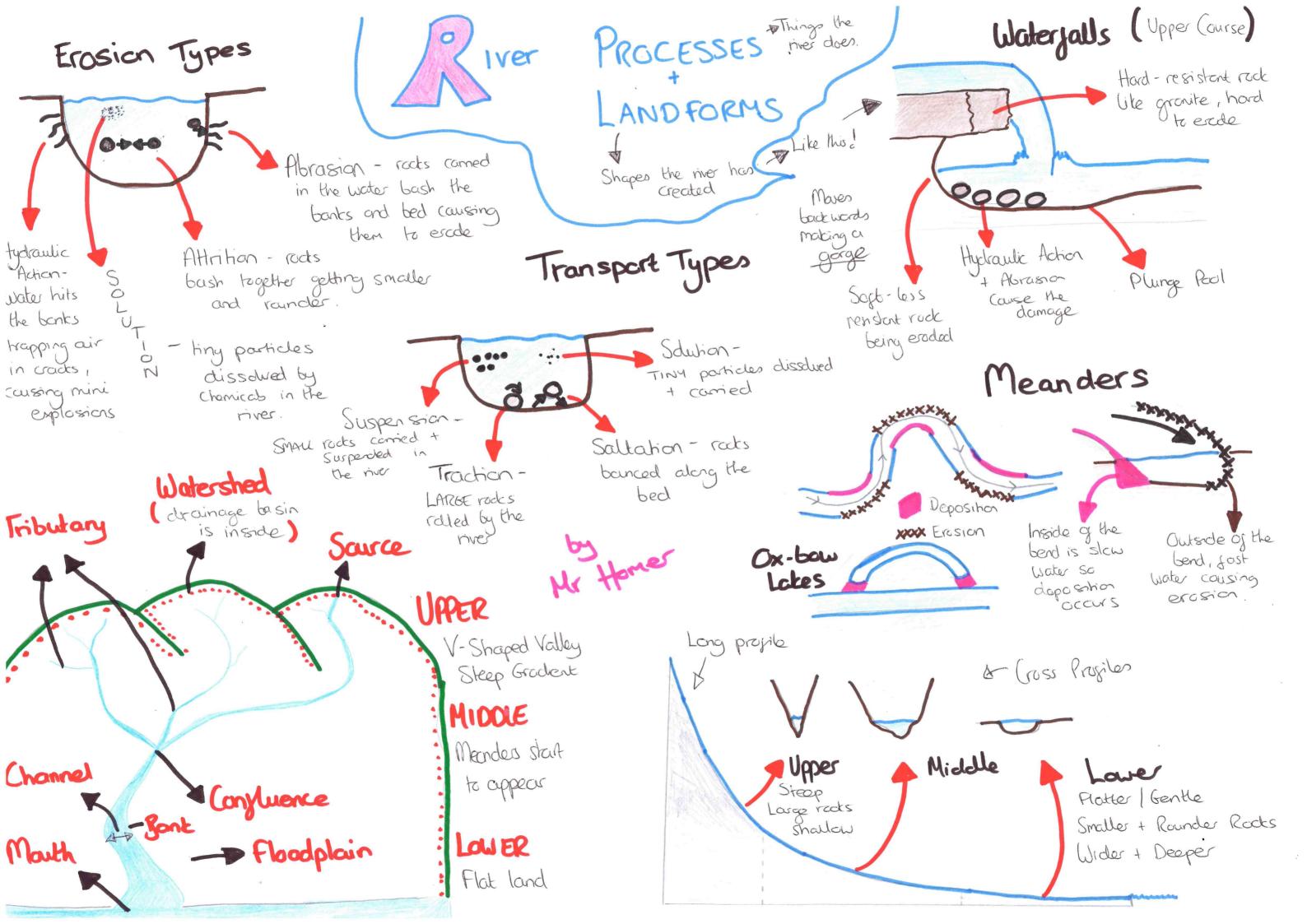
Give 1 good thing and 1 bad thing about the SPARC community toilets and the Hamara Education Foundation.

# **Urban World Questions**

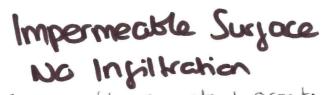
Level 1











Surjaces like concrete + grante have no lades + don't allow water Surface is fast + Pun-Of Couses placeding Trees slaw water down allowing it to ingiltrate Interception

Permeable Surface | Insilkation

Surjoces like Soil have holes in and allow water in

Peak Dissiphologe

Throughylow

Is slow, so stooding 1) less likely

Antecedent Conditions

The previous conclinions. For instance if it has been Taining for a long time the grand may become Saturated and therefore not allow ingeltration.

Also the river discharge might be higher + therefore more likely to placed

Lag Time Peak Kainjall

STORM

Time (hours and days)

Hydrograph Storm

Other causes of Slooding

yo Nothing

& SUSTAINABLE

# ENGINEERING

Steep

Slopes

Flood Plain Zoning

Factories Playing Fields

Planning atown or new buildings so important 6 widings are toph away from the river. Leaving playing fields + cor parts to Mad.

# Channel Restaration

Returning rivers back to their natural States. Slowing the your of Water dam, potentially stopping youls downstream.

ENERFICE

# Hiscorestation

Trees are planted in hader This allow it to injettrate and reach the niver

Flood Walls TEMPORARY

UNNMURAL PERMANIENT

(D - EXPONSIVE

ENGINEERING

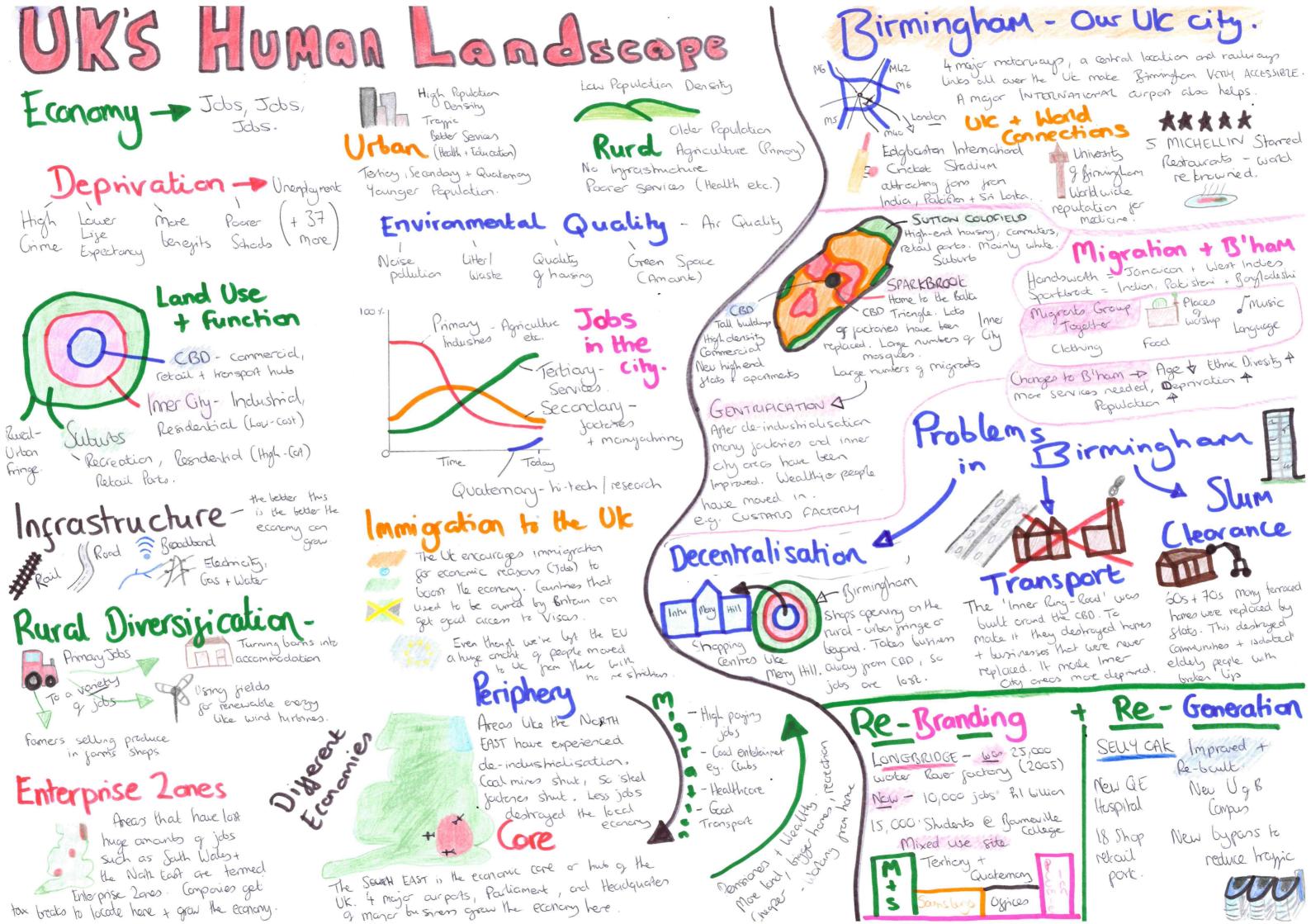
Makes the river bent higher so it can had more water But if it breaks will make flooding werse

PERMANENT

1)ams Used to store water, especially ding stoods. Steps placeds but also lalls jish - If too much water has to be drained.

Dredging Digging Sill + Sedmat out of the bottom ganver to make it deeper t hold more water.

the drainage basin to intercept Slowly ladwing sloads.



W/orcestershire

nural area

interdependent with



Birmingham is ranked 15th on

a list of LEAST car dependent

Birmingham

more locally

gran joed

or allamento

Options

alies An extension of the Birmington te Welverhampton Trem will imprese

In birmingham y one canal has 64.84, (342 | 345)

More renewable

ponels.

= Energy

energy

Mirmingham



Many people commute

Healthcore - especially Secondary Earls

like houters

hojdos in the city CBD

Problems in Worcestershire





Urban oreas are

exponding into Worldfershire

62% of people in Worcestershire howe cors. Bus

Bus services have been concelled so there are not enough customers This Years the golding groups vulnerable.



As people retire bey work more space and quiet. They can caylord expensive niral hones.

Girnington CBO is only 30 minutes prem Weresterline Computers more here and

I drive up house Momes pias

Providing

Leisure Activities

in the Lickey

Itilly country

Doctor's

90,000 appoinments lost through a lack of declars. Junior doctors are altraded to also and so mral oness supper.

Ingrastructure

Will unreliable connections. It waking you home

Signal + Pour quality broadbord. This means businesses struggle will also apped education and

# - Eldely - Jd Seekers - Yang - Disabled. Rural Diversification in

From PRIMARY JOBS (Agriculture + Mining)

Converting Jams and other buildings

inh accomposation

(Although this only provides Seasonal incomes)



Turning fields into wind P or solar jams to create renavolte electricity.



Farm shops sell local produce directly to the customer. make more income

# SpaG Marks

You've written something that makes sense

Grener offices planned

for Birmington Council.

Gurden rogys + extelled

public transport links.

You've used the odd begword + good English

Your English and Grammar is good and you've used keywords.

No spelling mistakes, packed with tenjuards and excellent explanations.

# Mark Question

Analyse the information in Figure 7 which Shows on Tables. · Read the tey + the title Carefully

# 2. Look for 3 pathems H.L.P.A.

The highest areas to Con you nome other or directions? The lowest areas -D (on you nome regions or oreas? Patterns D Is there on overall pattern 1.e Nam to South? Anomalies -D is there something in a stronge place? Be coregul, this map for instance, doesn't include Scotland.)

# 3. keep the shucture.

Idea 1	4. Use
Idea 2 .	the language
	Use the words from the question
Idea 3	= at least 4 fines in your
Circlusion - In conclusion the bigger reason for the voniction	Casuer

What we are Remember you have Enquiry & locking for your own results CARDING \*Conclusion factor velocity away VALLEY · The "flood risk map" tells is there Question from source is a high rist of fleed especially at (x) aromaly that doesn't the bottom of the valley in Church Shetton. · (ambined with OS map which tells How do drainage & around the river us that there are steep sided hills with basin and river no vegetation both of which increase Small, accessible features at larding Further away from some the wider the river river, saye + easy Surjace run-on. Also lots of bibliones Distance from Source(m) to access. Close which could lead to Mooding. Mill Valley influence - Wider river, deeper to Blue (out so · Our river is gelling wider, deeper and easy to go back - Velocity increased flood risk for people fester which would also contribute to youling. - Discharge increased This is on onea at high risk of placeding. in the local area? Distance from source (m) Your Rivers + Towns at Risla in Shrapshire and their homes ANALYSIS Church Stretton Evaluation Church Shretton + businesses is what there 387 Arapethes at nok. 2nd two things Data Collection How could we have told highest in Shropshine. 11 leasuring Velocity about the enguny The cork hit rocks or didn't move continuously SECONDARY question. PRIMARY forward which would make at results unreliable. Dala produced by Homes at risk Data we have personally We could have used you neter which would Some bodyelse e.g Collected, i.e. width OS MAP or Carding Mill Valley have been more accurate. It would have meant internet or textbook SAMPLING of the river. we could have taken more readings in different places. Steep hills (Surjace runcy) We comed out all ar methods 3 himes at each site Systematic Width + Depth Measure ments - little vegetation River Width Used a tope measure for width.

A ruler for depth. A chair for wetled

permeter. To help us work out the

discharge. Rocks or other obstacles were gelling the way A Sik 2 or changing the depth + width. By measuring it multiple times in different locations + Depth discharge. JOOM Flood Risk Map - Gov. uk ond getting an average we will get much more Tired a cort over 2m. Divide the time by 2 = metres | second or the Vischarge relicable results. 6 Site 3 velocity of the river. Hntecedent Conditions ve locity Rivers change according to the previous conditions /500m Used power's Index of organisty So the weather in the days begone would agged the river. Sediment Size 1 Angular 5 Smooth + round. Visit on different days in different seasons Site 4 Shows us whether ero sion has taken High risk in + Shape Church Stretten and use on average.

# LIBIC3863B

Hypothesis: Different areas in the urban area of LEICESTER

will have varied quality g life.



SECONDARY

. Most doprived

HEALTH

EPRIVATION EDUCATION

EMIRCHMENT

Google Image South helped us find images of

Do different areas in Leicester have a different

quality of life?"

the 3 areas. This helped us look at the

> SECONDARY METHODS



Map 2015

(1) Victoria park was the least deprived according to the map.

) High fields was the most (3) Highcross was in the middle

# Our Results EQ Score

Victoria Park

High yields 30-51

Highcross /

Diperent people of

Traspic Crime 25

18 35

70 10

# - Least Deprived \*Condusions\* In this section you need to answer the question.

Higheross

or Environmental Quality

PRIMARY

Pata

we have

allected personally

le traggic Count.

Environmental We locked at the environment and scared them from O (lawers) to S (highest) The higher the score the better the environment. Categories include buildings, gray tit + green space

Data we have

le Deprivation

Map 2015

taken from another

Traffic we stopped + counted trappic for 2 minutes Count The more trappic = the more noise + air pollution.

Lime rusk in each area we used a Assessment the scored from 0-DJ

This time 5 meant the highest risk of come. The higher the risk of crime the worse the quality of life is likely to be.

You need to use our results + the secondary data as well.

Examples Include: What went wrong? How could we make it more reliable?

Time of day

one only visited each area once. los gjadors could injurate dyen es lile trapic.

· We could go at different times on different days

Subjective Opinion

· We calculated some Scares warry opinions. They could digger.

· Get multiple opinion and take their average. Only 3 are ap

· We only sow a Small part of Leicester not the whole picture

· Visit a vonety of other areas.

Our Methods

Quality

Survey

TRUSECT

# **Geology and Landscapes**

What is Geology the study of?

What are **igneous** rocks? Name an example as well.

What are **sedimentary** rocks? Name an example as well.

What are **metamorphic** rocks? Name an example as well.

How has **glaciation** changed UK landscapes?

How has tectonic uplift changed UK landscapes?

# Distribution of physical features and their causes

What does the word **distribution** in the title of this section mean?

Name and locate 3 specific upland areas in the UK.

Name and locate 2 specific lowland areas in the UK.

Describe the **distribution** of igneous and metamorphic rocks in the UK (name at least 3 specific locations).

Describe the **distribution** of sedimentary rocks in the UK. (name at least 3 specific locations).

Draw and explain the process of relief rainfall.

Describe the distribution of rainfall across the UK.

#### **Glacial Features and Landforms**

Name and describe 4 landforms (shapes) created by glacial **erosion** in the UK.

Locate 3 areas with erosional glacial features in the UK.

Name and describe the sedimentary rock created by glacial **deposition**.

**Locate** 1 area with **depositional** glacial features in the UK.

Explain how **physical weathering** occurs.

Describe 2 other slope processes or mass movement.

# Landscape Uses (Agriculture in the UK)

Describe 3 different types of agriculture in the UK.

**Link locations** and their **geology** to each of the 3 different types of **agriculture** in the UK.

**Link locations** and their **altitude** to each of the 3 different types of **agriculture** in the UK.

**Link locations** and their **rainfall** to each of the 3 different types of **agriculture** in the UK.

**UK Physical- Landscapes**-Level 1

# **Geology and Landscapes**

What is Geology the study of?

Describe the properties of and name an **igneous** rock.

Describe the properties of and name a **sedimentary** rock.

Describe the properties of and name a **metamorphic** rock.

Explain how **glaciation** has changed UK landscapes.

Explain how **tectonic uplift** has changed UK landscapes.

# Distribution of physical features and their causes

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Describe the **distribution** of sedimentary rocks in the UK. (name at least 3 specific locations).

Draw and explain the process of relief rainfall.

Explain how the distribution of rainfall across the UK affects the landscape.

# **Glacial Features and Landforms**

Name and explain how 4 landforms (shapes) were created by glacial **erosion** in the UK.

Locate 3 areas with erosional glacial features in the UK.

Name and explain the sedimentary rock created by glacial **deposition** changes the UK landscape.

**Locate** 1 area with **depositional** glacial features in the UK.

Explain how **physical weathering** occurs.

Explain 2 other slope processes or mass movement.

# Landscape Uses (Agriculture in the UK)

Explain how 3 different types of **agriculture** work in the UK.

**Link locations** and their **geology** to each of the 3 different types of **agriculture** in the UK.

**Link locations** and their **altitude** to each of the 3 different types of **agriculture** in the UK.

**Link locations** and their **rainfall** to each of the 3 different types of **agriculture** in the UK.

**UK Physical- Landscapes**-Level 2

# **UK Physical- Rivers-** Level 1

#### **River Features**

Draw a LONG PROFILE of a river (Include Upper, Middle and Lower Course). Next to each section draw a CROSS PROFILE.

Describe what happens to the following as you move downstream-

Width

Depth

Velocity

Sediment Size

Sediment Load

Name and **describe** four types of erosion which take place in rivers.

Name and **describe** four types of transportation within rivers.

What is the reason that the river will deposit its load?

#### **River Landforms**

Where would you most likely find a waterfall?

Name four keywords associated with waterfalls. Draw a labelled diagram to show what they are.

Draw a meander. Show where erosion takes place and where deposition takes place.

What is an ox-bow lake?

What is a flood plain?

What is a (natural) levee?

Where would you find the mouth of a river?

# **Flooding Causes**

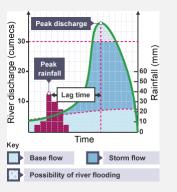
Name some human causes of flooding.

Name some natural causes of flooding.

What do the following words mean; impermeable, permeable, surface runoff,

infiltration and interception?

What does this storm hydrograph show?



# **River Management**

What is the difference between hard and soft engineering?

Name and describe two examples of hard engineering

What are the advantages of hard engineering and where would it be used?

Name and describe two examples of soft engineering

#### **River Features**

Draw a LONG PROFILE of a river (Include Upper, Middle and Lower Course). Next to each section draw a CROSS PROFILE. Explain what you would find at each stage of a river including Landforms.

Describe each keywords means and what happens to them as you move downstream-

Width, Depth, Velocity, Discharge, Sediment Size and Sediment Load

Name, draw and **EXPLAIN** four types of erosion which take place in rivers.

Name, draw and **EXPLAIN** four types of transportation which take place in rivers.

Where would deposition mainly take place on a river's long profile?

#### **River Landforms**

Where would you most likely find a waterfall? Explain why

Draw a labelled diagram to show how waterfalls are formed. Explain underneath which types of erosions would take place.

Draw a meander. Explain how they are formed.

What is an ox-bow lake?

How does a flood plain form?

How does a levee form?

What is a depositional landform? What is an erosional landform?

# **Flooding Causes**

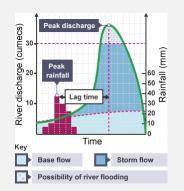
Explain three human causes of flooding. Explain three natural causes of flooding.

What do the following words mean; impermeable, permeable, surface runoff,

infiltration and interception? How do they Link together?

What does this storm hydrograph show?

What does each keyword mean?



# **River Management**

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# Weathering and erosion at the coast

What is weathering?

What is **physical (freeze thaw)** weathering and how does it break down rocks?

What is mass movement?

Name and describe an example of mass movement.

Name and describe the 4 types of erosion found at the coast.

Name and describe the 2 types of wave at the coast.

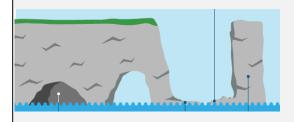
What is the difference between the 2 types of waves

# Coastal Erosion (and Landforms)

What is a **discordant** coastline? What erosional landform does it form?

What is a concordant coastline?

Look at the image below- Name the five stages of this process. Which two kinds of erosion have made this landform?



# **Transportation** and Deposition

Name and describe four examples of transportation

Name, draw and describe the process that moves material along a beach.

Name, draw and describe a depositional landform.

# **Coastal Management**

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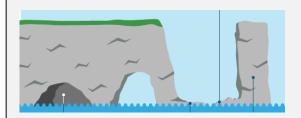
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What are the advantages of hard engineering and where would it be used?

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What is the economy in a geographical sense?

Explain the differences between urban and rural areas. Explain why population density is high in urban areas. Name 5 characteristics of the word deprivation. Describe 3 things you would use to measure environmental quality.

Name the 3 parts of a UK city. Describe the function of each.

Name and describe the four sectors of jobs. Explain what immigration policy is and give two examples.

What does the term infrastructure mean? Why is it so important for the UK economy?

Explain what is meant by rural diversification.

Describe why agriculture is important to rural areas.

What is an enterprise zone? Why are they important to the economy?

# The UK's Human Landscape

Describe two reasons why people migrate WITHIN the UK.

Name two regions in the UK with differing economies. Explain 2 reasons for each as to why they perform very differently

# Birmingham- Our UK City.

Describe three ways in which Birmingham is well connected to the rest of the UK.

Explain two ways in which Birmingham is well-known to the rest of the world.

Name three locations in Birmingham that are different parts of the city. Explain why each can be considered very different from each other.

Explain 3 problems Birmingham has faced over the past 3 decades. Explain two ways in which Birmingham has tried to regenerate areas or rebrand them.

Explain **two** ways to make Birmingham more sustainable. Explain how effective two attempts to make Birmingham sustainable have been.

# Changes in a rural area- Worcestershire

Worcestershire and Birmingham are very closely linked to each other. Describe 4 changes that Worcestershire has experienced because of its close links with Birmingham.

Explain 2 major challenges that rural areas like Worcestershire face.

Explain what the term rural diversification means.

What does the term economy mean?

What is an urban area?

What is a rural area?

What is population density.

What does the term deprivation mean. Name 3 things people who are deprived would experience.

Name 3 things you would use to measure environmental quality.

Name the 3 parts of a UK city. Describe the function of each (what they do).

What are primary, secondary, tertiary and quaternary jobs? Describe what immigration policy is and give one examples.

What does the term infrastructure mean? Explain what is meant by rural diversification.

Describe why agriculture is important to rural areas.

What is an enterprise zone?

# The UK's Human Landscape

Describe two reasons why people migrate WITHIN the UK.

Name 2 reasons the North East's economy has problems.

Name 2 reasons the South East's economy is growing.

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# Changes in a rural area- Worcestershire

Worcestershire and Birmingham are very closely linked to each other. Describe 2 changes that Worcestershire has experienced because of its close links with Birmingham.

Describe 2 major challenges that rural areas like Worcestershire face.

# People and the Biosphere

Name and describe 3 of the **biomes** in this image.



What is a biome?

Describe how low pressure creates the climate in the **rainforest**?

Describe how high pressure creates the climate in the **desert**?

How does **latitude** affect climate?

How does altitude affect climate?

Describe 3 **local** factors that could affect plant growth. (Think about how plants grow)
Define: Biodiversity, Biotic and Abiotic

Describe three different parts of the nutrient cycle from this image.



What are provisional services? What are supporting services? What are regulating services? What are cultural services?

Explain what the **Boserupian theory** about resources suggests for the future. (Optimist)

Explain what the **Malthus theory** about resources suggests for the future. (Pessimist)

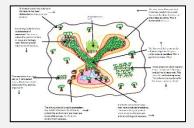
# Forests under threat

Locate the Tropical Rainforest and describe the climate.

Describe two adaptations of organisms in the tropical rainforest.

Name the 4 layers of the rainforest.

Give 3 threats specific to the tropical rainforest.



Describe 3 ways in which rainforests can be used in a more sustainable way.

Locate the Taiga and describe the climate. Describe two adaptations of organisms in the Taiga.

Give 3 threats specific to the Taiga.



Describe 3 ways in which Taiga Forests can be used in a more sustainable way.

## **Energy Futures**

What are non-renewable energy resources? Give an example.

What are renewable energy resource? Give an example.

What are recyclable energy resources? Give an example.



Describe the changes in global energy demand.

Explain 2 issues with extracting (getting) and using oil as a source of energy.

Define the following keywords:
Direct Carbon Footprint, Indirect Carbon
Footprint, Energy Efficiency (Grants and
Loans), Energy Security and Diversifying the
Energy Mix.

Describe 2 ways Energy Efficiency can be improved in the home.

What is a stakeholder? Name 3 stakeholders in Energy Futures.

Describe both sides of the argument between 'Business as usual' and a 'more sustainable future.'

# Paper 3 Topics- Level 1

# People and the Biosphere

Name and describe 3 of the **biomes** in this image.



What is a **biome**? What kind of climate do we find in a **rainforest**? Why?

What kind of climate do we find in a **desert**? Why?

How does **latitude** affect climate? How does **altitude** affect climate?

Describe 3 **local** factors that could affect plant growth.

Explain what **biodiversity** means. What is the difference between abiotic and biotic? Give examples.

Describe the different parts of the nutrient cycle from this image.



Explain what the following types of services are within an ecosystem: provisional, supporting, regulating and cultural.

Explain what the **Boserupian theory** about resources suggests for the future.

Explain what the **Malthus theory** about resources suggests for the future.

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# Paper 3 Keywords

# People and the biosphere

**Biome** 

**Tropical Rainforest** 

Desert

High Pressure

Low Pressure

Latitude

Altitude

Local Factors (Plants)

**Biodiversity** 

**Biotic** 

**Abiotic** 

**Nutrient Cycle** 

Photosynthesis

Respiration

Decomposition

Energy Flow (Food chain)

**Provisional Service** 

**Supporting Service** 

**Regulating Service** 

**Cultural Service** 

Boserup

Malthus

## **Forests under threat**

Taiga Biome

**Tropical Rainforest Biome** 

**Emergent Layer** 

Canopy Layer

**Under-Canopy Layer** 

Shrub Layer

Deforestation

**HEP Dams** 

**Fossil Fuel Extraction** 

**Forest Fires** 

Conservation

**Exclusion Zone** 

Wilderness Area

**Buffer Zone** 

**Education and Training** 

Sustainability

# **Energy Futures**

Non-renewable

**Fossil Fuels** 

Renewable

Recyclable Energy

**Energy Demand** 

Extraction

**Direct Carbon Footprint** 

**Indirect Carbon Footprint** 

**Carbon Neutral** 

**Energy Efficiency** 

(Energy Efficiency) Loans

(Energy Efficiency) Grants

**Energy Security** 

**Diverse Energy Mix** 

Stakeholder

Sustainable Energy

