

- 1) Explain why there are 'no real seasonal temperature differences' in areas of tropical rainforest. (2 marks)

Because the rainforests are found between the tropics, this they are less susceptible to changes in the orientation of the Earth. This means that the near-IR radiation from the Sun hits the rainforests at near -90° an angle, leading to stable, year-round temperatures.

- 2) 'Tropical rainforests are important at both the local and global scales'. Discuss this statement. (6 marks)

- provides local food source
- improves global climate
- C sink
- unimportant
- unuseful economically

The rainforests are locally important as it provides a food source, such as bananas & coffee fruit. These can also be sold for profit. The rainforest is also home to more than 1000 indigenous tribes, ~~and~~ over 250 000 Peruvians depend on it for their survival.

The rainforests are also globally important due to their interaction with the global climate. They act as a global carbon sink & climate regulator.

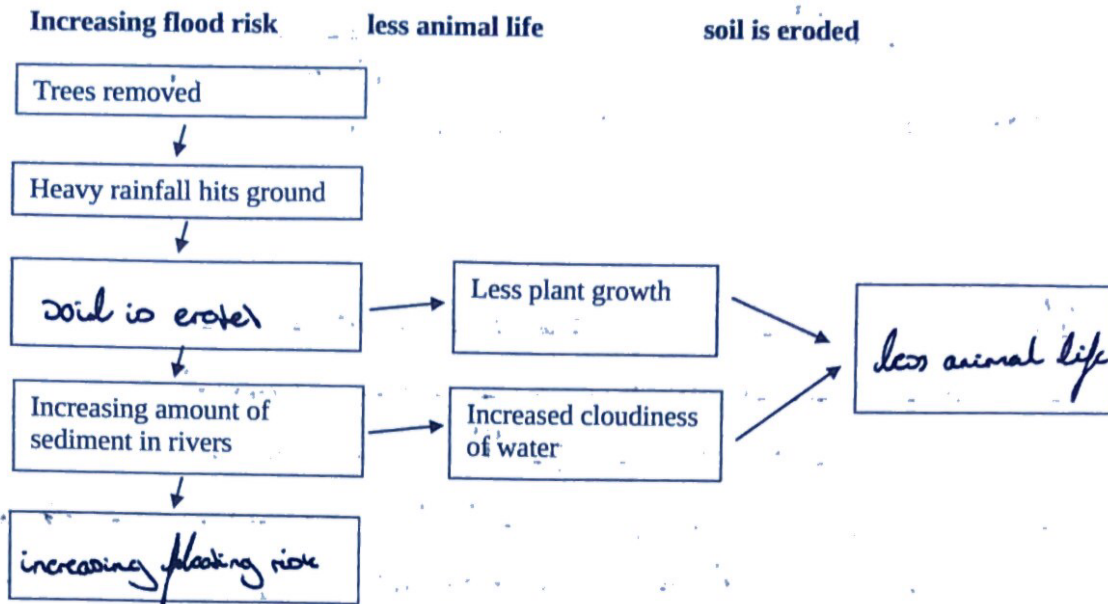
It could also be argued that the rainforests are not important — they take up around 6% of the Earth's surface. They contain over 30,000 insect species, many of which are disease vectors.

It contributes very little to a country's economy, yet takes up huge amounts of its land. ~~It's~~ It's very hard to commercially farm the rainforest — yet very easy to profit from its dense resources — it's like cutting it down.

- 3) Complete the following diagram to show how the removal of trees can affect the rainforest environment.

Write the correct statement in each box.

Choose from the statements below (2 marks)



- 4) 'The Peruvian government has decided to allow the development of new roads in the Amazon.'

Do you think this was the right decision?

Yes

☐

No

☒

- amount of rainforest it will ~~harm~~ - impacts
- already receiving economic aid
- may encourage illegal activity

Tick the box to show your choice.

Use evidence from the resources booklet and your own understanding to explain your choice. (9 marks + 3 SPaG marks)

The Peruvian government was wrong to allow the development of new roads as it will have harsh ~~economic~~ ecological repercussions. The scheme will result in more than 250 000 ha of rainforest being put at risk. Given that the rainforest contains more than 60% of Earth's biodiversity, this plan threatens

to note that - there are already more than 40 species a day going extinct due to deforestation. Biodiversity is ~~important~~ as it provides humans with rare ~~materials~~ materials & also allows ecosystems to function.

One of Peru's core motivations for this scheme is the economic benefits. However, the scheme poses risks to the rainforest, something which Peru received ~~\$2~~ \$2 billion to protect at the 2015 Paris summit. ~~This may mean they have lost the rainforest~~ The road construction plan may create jobs for local Peruvians - however these will not be permanent jobs & may lead to them becoming displaced ~~to~~ due to deforestation.

Most deforestation in the Amazon occurs near navigable waters or near roads. The road scheme will create a 40km wide band of rainforest being lost. This will increase the area of ~~rainforest~~ ~~rainforest~~ forest where illegal deforestation can take place, when the size of England & Wales is already being felled annually. Illegal deforestation creates very few opportunities for locals & is of no benefit to the government & local economies.

All in all, the scheme threatens a lot of rainforest which remains almost unacknowledged by the Peruvian government, when it is already receiving aid from countries & the UK.