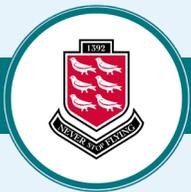
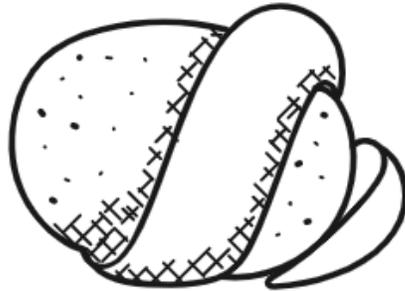
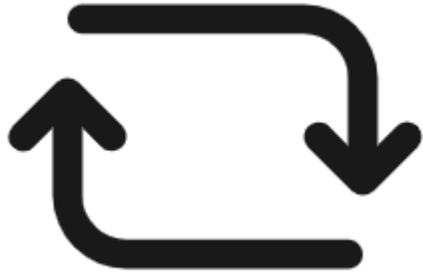
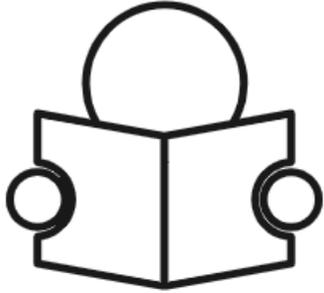


Never Stop Flying

# Geography – 9-mark questions and effective use of flashcards.

Achieving Excellence through a Values Driven Education

# 9 Mark questions



- The best way to revise is through **retrieval practice** –this helps move the information in to your long term memory.
- You are practicing finding the information again in your **long term memory** in order to answer the questions. Essentially this is the same thing you would be doing in a test or exam.
- **Flash cards** are a good way of practicing retrieval.

## Tropical Rainforest Characteristics

**emergent trees** are found here. They grow above the continuous canopy layer. They can grow up to 60m tall. Eagles, butterflies & bats live here.

**canopy** – the majority of trees are found here. 50% of all plant & animal life is said to be here.

**Subcanopy or under-storey** – saplings and young trees are found here. Only 5% of sunlight reaches here. Insect life is abundant.

**Forest floor** – only 2% of sunlight reaches here. Decomposing plant and animal matter can be found here.

**Key terms:**  
**Tropical Rainforest:** a hot, moist biome found near Earth's equator.  
**High level canopy:** highest level, between 50-60m tall.  
**Mid level canopy:** densest part, between 40-50m tall.  
**Low level canopy:** up to 15m, shrubs and immature trees.

TROPICAL RAINFORESTS OF THE WORLD

Tropical rainforests are mainly located between the **Tropic of Cancer & Tropic of Capricorn**.

They are found in South America, Africa, Southern Asia & northern Australasia.

The largest rainforest in the world is the **Amazon**. The majority of the rainforest (60%) is in Brazil, but can also be found in the territory of 9 other countries.

**Tropical Rainforest Climate**

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Average rainfall (mm)	250	250	250	250	250	250	250	250	250	250	250	250
Temperature (°C)	25	25	25	25	25	25	25	25	25	25	25	25

210mm of annual rainfall

2°C annual temperature range

Tropical rainforest biomes (large scale ecosystem) have over 2000mm of rainfall annually. Temperatures are generally between 20-35°. High temperatures cause high evaporation, which increases humidity levels throughout the day. The high temperatures cause rapid **evapo**-transpiration whereby plants release water vapour. This water vapour is warm, moist air that rise, cools and condenses to form clouds and rain. This means the TRF can be responsible for up to 2/3 of its own rainfall.

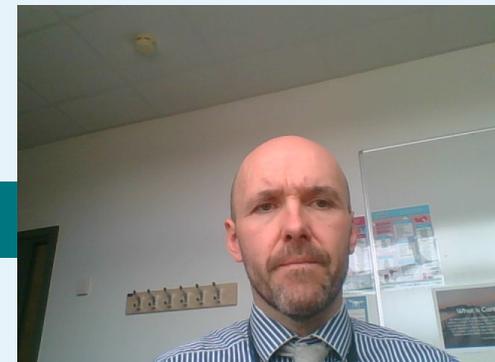
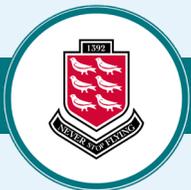
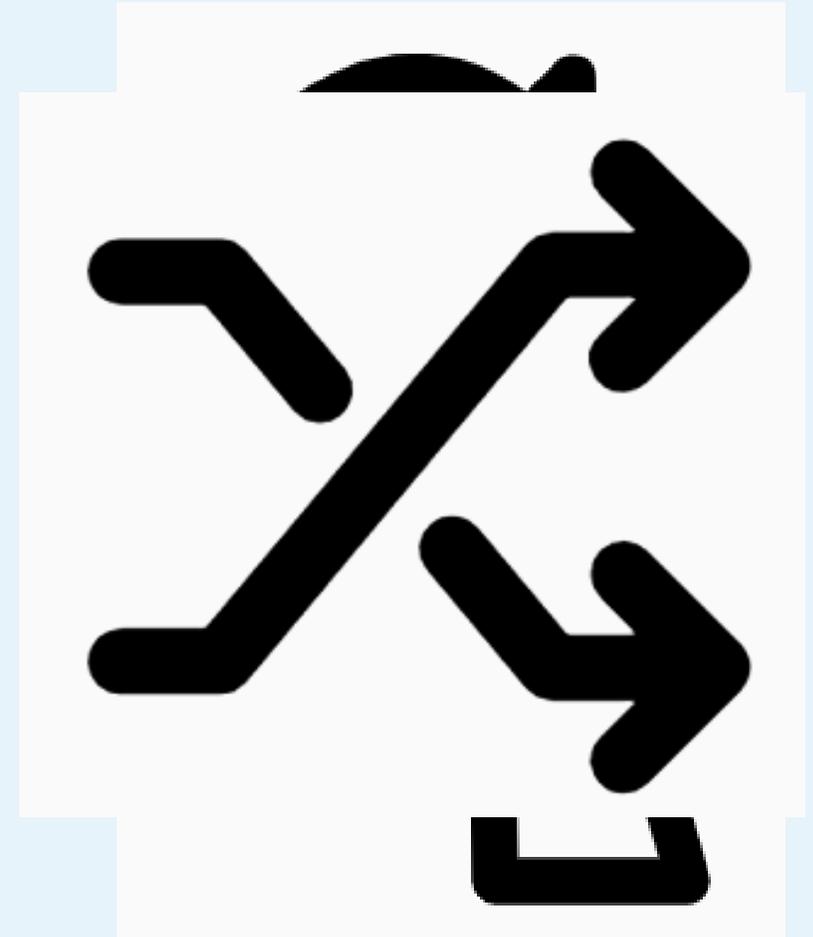
### Questions to be written on back of your flash cards

1. Name a producer for this ecosystem (Slide 2)
2. Name a primary consumer in this ecosystem (Slide 2)
3. Name a secondary consumer in this ecosystem (Slide 2)
4. Name a decomposer (Slide 2)
5. State one physical change that could occur in this ecosystem and the impact this would have (Slide 2)
6. State one human change that could occur in this ecosystem and the impact this would have (Slide 2)
7. What is the nutrient cycle? (slide 2)
8. Why is the nutrient cycle fast in the TRF? (slide 3)



# How to use flashcards effectively:

1. **Get someone to test you** using your flash cards – they should ask the question making sure you can't see the answer.
2. You can also **test yourself** by looking at one side and answering before turning it over. **Say the answer out loud before looking at the answer** – If you don't you will likely end up saying "Oh yeh, I knew that" which will trick your brain in to thinking you've learnt it when you haven't. **This is called the illusion of knowing**
3. **Study your flash cards in both directions** – this will help build strong links between the information in your brain. If you don't there is a chance you will only learn the answer in one direction.
4. Don't treat flashcards as a silver bullet – They will help learn specific information but you need other recall tasks to prepare for more complicated tasks.



# Memory hacks to make learning stick:

## The Waterfall method: work smarter, not harder

Know It



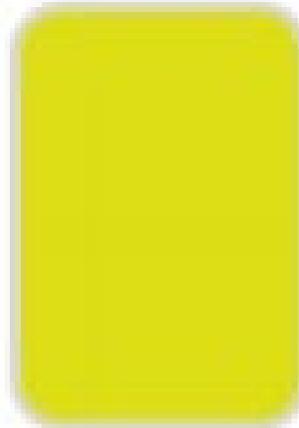
Know It (2)



Know It (3)



Know It (4)



Struggled

