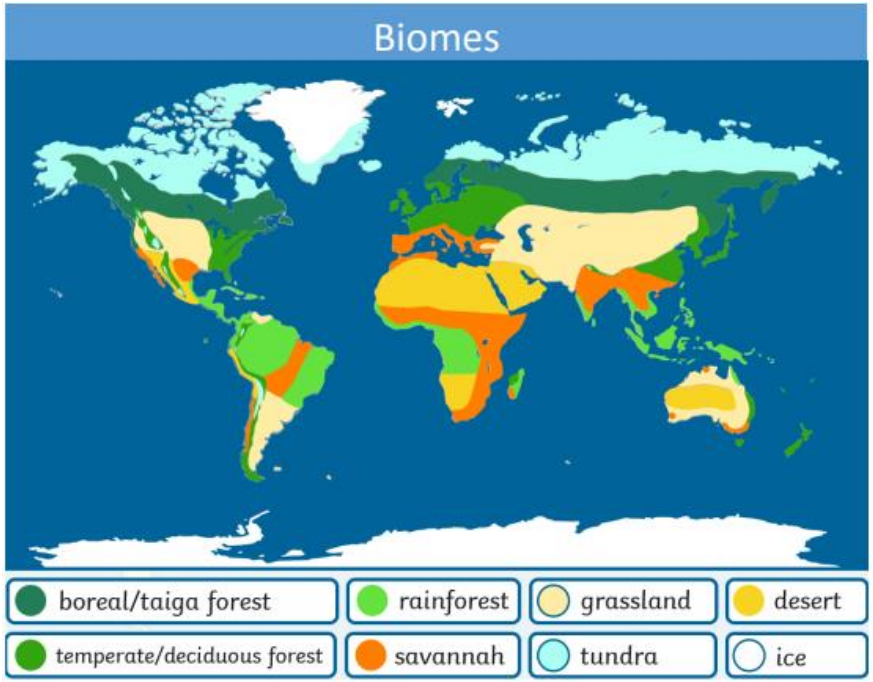
Year 4 Knowledge Organiser: Autumn 1st

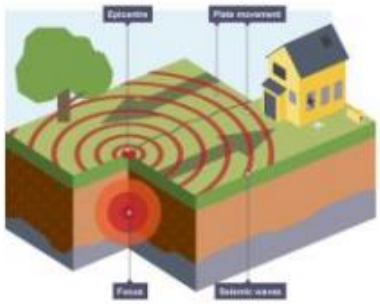
Big IQ: How does an earthquake affect a biome?

Key Vocabulary	Definition
Biome *(noun)*	A large community of plants and animals living together in a place.
Classify *(verb)*	To sort things into groups.
Vertebrate *(noun)*	An animal with a backbone.
Invertebrate *(noun)*	An animal without a backbone.
Earth's crust (*noun)*	A thin shell on the outside of the Earth.
Tectonic plate *(noun)*	Huge slabs of rock that make up the Earth's crust.
Epicentre *(noun)*	Part of the earth's surface directly above the focus of an earthquake.
Seismic waves *(noun)*	A wave that travels through the earth.
Magnitude *(noun)*	The size of something (used to describe how strong an earthquake is).

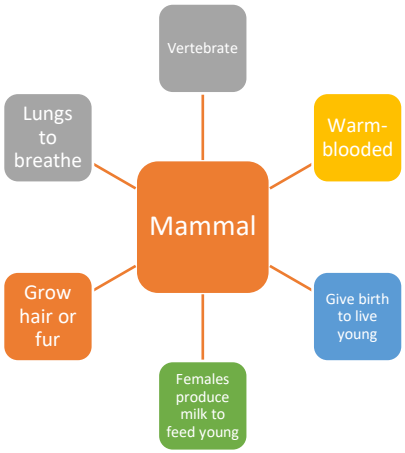


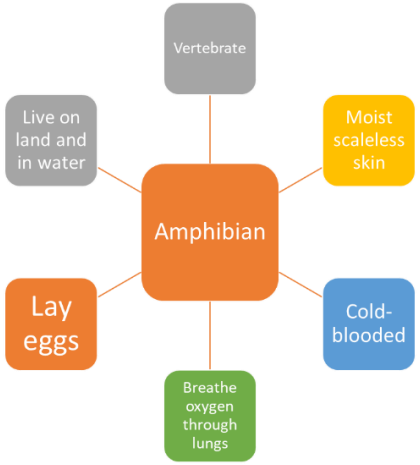
By the end of the theme, I should be able to:

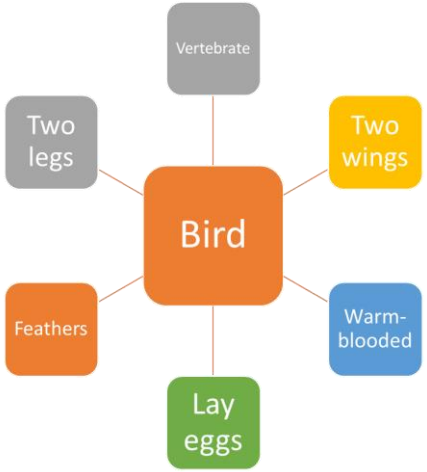
- Locate some different countries on a world map and say which continent there are in.
- Label a diagram.
- Explain why earthquakes occur.
- Use sketching & shading techniques to draw a self-portrait.
- Classify different vertebrates and give a reason why *(e.g. a whale is a mammal because …)*
- Observe plants and wildlife in the local area and use a classification key to identify them.

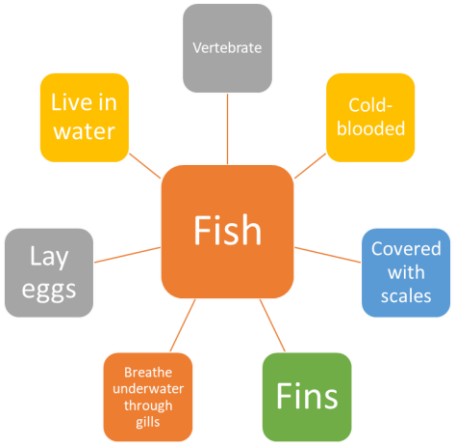
What causes an earthquake?	An earthquake is the shaking and vibration of the Earth's crust due to movement of the Earth's plates (plate tectonics). Earthquakes can happen along any type of plate boundary. Earthquakes occur when tension is released from inside the crust. Plates do not always move smoothly alongside each other and sometimes get stuck. When this happens pressure builds up. When this pressure is eventually released, an earthquake tends to occur.	

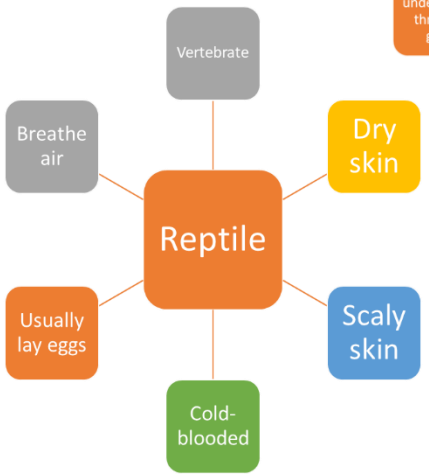
Characteristics of vertebrate groups



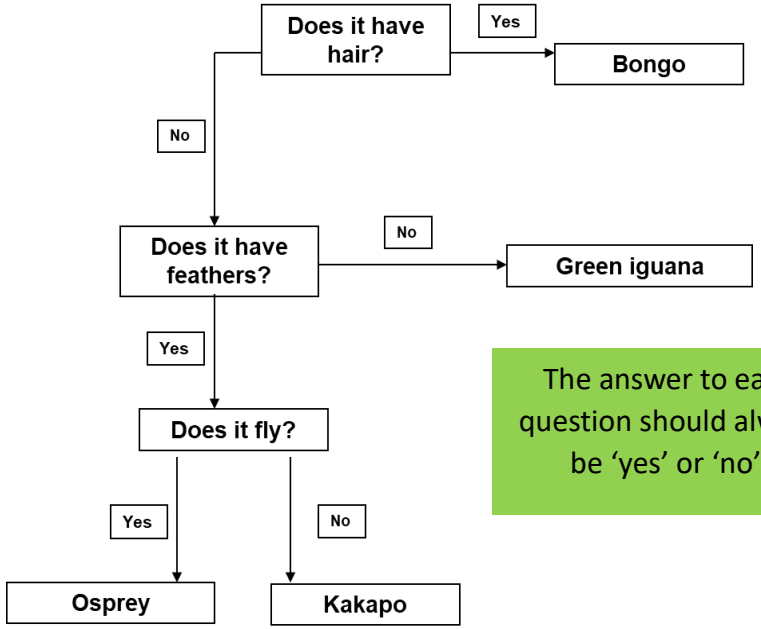






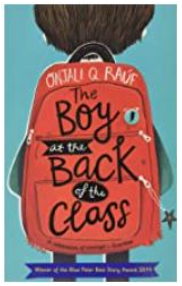


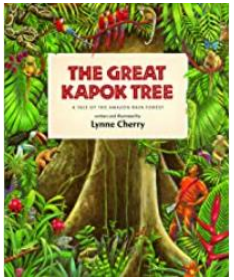
Classification keys allow you to ask a series of questions about a living organism to help you identify it.

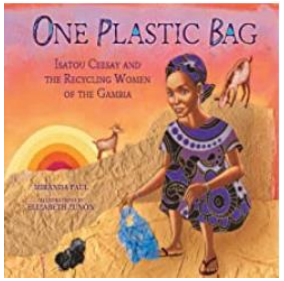


The answer to each question should always be 'yes' or 'no'.

Reading Suggestions







P4C Big Questions to Discuss:

- Is it more important to help global or local charities?
- Are animal or human charities more important?
- Can one person make a difference?
- Are some living things more important than others?