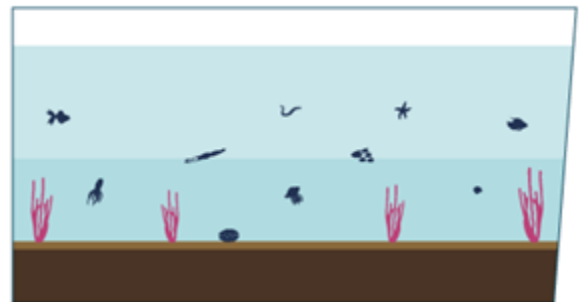
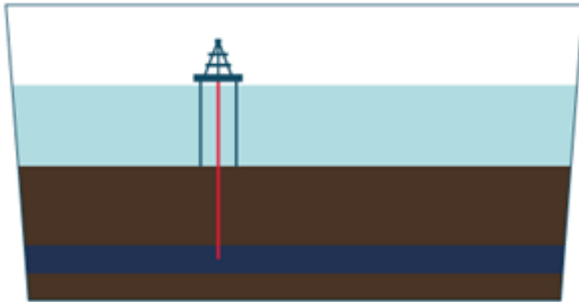
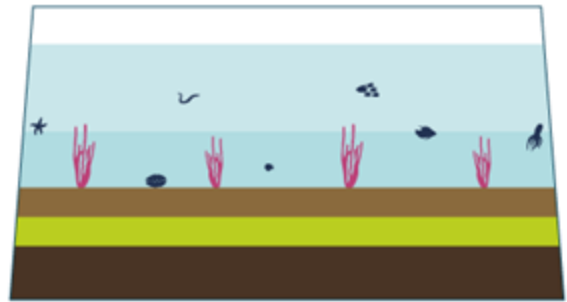


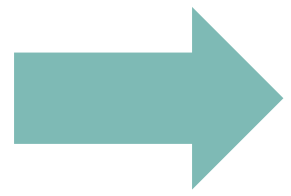
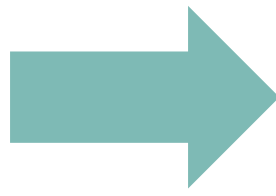
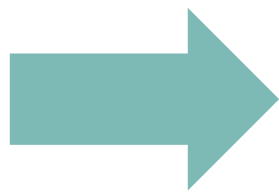
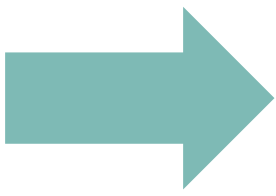
Investigating Non-Renewable Energy

How does coal, oil and gas form?

Coal, oil and gas are all examples of non-renewable energy sources. This means that once we use them, they'll run out and will not be replenished.

The diagrams and labels below represent the stages in the production of oil and gas. Cut out the diagrams and labels, and arrange them in the right order with the right labels to tell the story of how they are formed.





300 million years ago

50 million years ago

100 million years ago

Present Day

Present Day

200 million years ago

Plants in the ocean trap energy from the sunlight. This process is called photosynthesis.

After the vegetation dies, it rots in stagnant water and gets buried under layers of swamp mud.

Mud

Oil and Gas

Dead Plants

Vegetation growing in tropical swamps uses energy from sunlight and stores it in a process called photosynthesis

Over time, heat and pressure from the Earth transform these dead organisms. Today the stored energy remains as oil and gas.

Dead Plants

Rocks and Mud

Rocks & Mud

Over time, the dead vegetation is transformed by the heat and pressure of the Earth, and today the stored energy remains in the form of coal.

When plants and animals die, they sink to the bottom of the sea. Over time they are buried under layers of sand and mud.

Coal

Mud

Sea