

Investigate tectonic activity including the formation of geological features at...

investigate tectonic activity including the formation of geological features at divergent, convergent and transform plate boundaries and describe the scientific evidence for the theory of plate tectonics

Learning intention

- investigate tectonic activity including the formation of geological features at divergent, convergent and transform plate boundaries and describe the scientific...

Teach and model

- examining patterns of earthquake and volcanic activity over time and proposing explanations
- evaluating the impact of tectonic events on human populations and examining engineering solutions designed to reduce the impact
- modelling interactions at plate boundaries

Check understanding

- Explain the main idea in investigate tectonic activity including the formation of geological features at... using an example.
- Show the idea in a second way: with words, a model, a diagram or symbols.
- Apply the idea to a short unfamiliar situation and justify the result.

Teaching cautions

- Ask the student to explain their choice, not only state an answer.
- Check that key vocabulary is understood in a new example.
- Mix representations so the skill is transferred rather than copied.

Quick lesson sequence

- Connect to prior knowledge and introduce the key vocabulary.
- Model one clear example, then solve a second example together.
- Finish with an independent check and a short student explanation.