

How weathering, erosion, transportation and deposition cause slow or rapid...

describe how weathering, erosion, transportation and deposition cause slow or rapid change to Earth's surface

Learning intention

- describe how weathering, erosion, transportation and deposition cause slow or rapid change to Earth's surface

Teach and model

- identifying types of weathering caused by mechanical means such as by wind abrasion, cycles of extreme heat or cold, and frost wedging; and biological means such as by...
- exploring how erosion can be caused by moving air or moving water and how substances such as surface soil are relocated, and identifying examples of...
- analysing the difference between weathering and erosion and comparing the timescales over which these processes can occur

Check understanding

- Explain the main idea in how weathering, erosion, transportation and deposition cause slow or rapid... 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.