

Findings with those of others, consider if investigations were fair...

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Learning intention

- compare findings with those of others, consider if investigations were fair, identify questions for further investigation and draw conclusions

Teach and model

- comparing findings, such as about best insulators, with those of others and identifying further questions based on differences in findings
- discussing the factors that make investigations fair and evaluating the fairness of their own and others' investigations
- drawing conclusions based on consideration of their own and others' findings

Check understanding

- Explain the main idea in findings with those of others, consider if investigations were fair... 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.