

Temperature Evidence Response A

Temperature Evidence | Edition 1.0.0 | Student response lessons | 1 of 2

Constructed teaching data: these values were invented for this activity, not collected in an experiment.

Use only the page chosen by your teacher after the supplied teaching move. This is practice, not an independent recheck.

Equal 100 g samples begin at 12°C in a 24°C room. After the same 15 minutes, sleeve X ends at 15°C and sleeve Y at 18°C. Other comparison conditions match.

Sleeve	Start (°C)	After 15 minutes (°C)
X	12	15
Y	12	18

Response question 1

Did either sample become colder? Find each increase. Which design shows less warming in this comparison?

Temperature Evidence Response B

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In three separate matched trials, fresh equal 100 g samples start at 8°C in a 20°C room. Endpoints are after 20 minutes; other conditions match.

Trial	Sleeve L (°C)	Sleeve N (°C)
1	13	14
2	15	14
3	13	14

Response question 2

A classmate says, 'L always works best because it reached 13°C once.' Does that one result justify the claim? Compare each matched row, then write a limited conclusion.
