

Integrative record A · New evidence

New record: only H tested in 25°C surroundings. 100 g starts at 38°C; 12 min; other stated procedures match initial record. Covered liquid water; cups/lids, mass, starting temperature, duration, exposure and reading procedure match within and across trials. Surroundings stay at the stated room temperature. No ice, phase change, active heating/cooling, direct sunlight or meaningful evaporative cooling. Each trial uses fresh samples. Accuracy is not supplied.

Supplied design record

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

Setup	Water g	Start °C	After 12 min °C
H only, 25°C room	100	38	35

1. Compare the new conditions with the initial record. Retain, narrow, change or withhold a conclusion as justified. Write the original bounded claim and a revised claim. Can the new record rank H and J at 25°C?

2. Propose a matched next comparison for a question you name. Which raw readings and conditions would you retain?

Use connected prose, an oral explanation pointing to data, or a labeled model. No fixed paragraph template is required.