

Later check · A changed direction

Data T · Fresh equal 100 g samples in a 22°C room; matching cups/lids, method and 15-minute exposure. This is one paper cooling comparison.

New warm-water readings

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

Sample	Start (°C)	After 15 min (°C)
M	32	28
N	32	30

K1-T1. Read the labels and calculate both changes with direction.

K1-T2. Which setup better limits cooling here? Give a matched comparison and one limit.

K1-T3. A fictional response says, “A sample at 20°C has twice the total energy of one at 10°C.” Does a Celsius reading support this? Explain.