Comparing Methods for a Dry Mass Test

Scoring guide · one credit per question · review written work against each rubric

Comparing Methods for a Dry Mass Test

Question 1

Choice (1)

A finishes in 8 minutes and is only 0.1 g from the reference. B exceeds the time limit. C is 0.4 g from the reference.

Question 2

The reference supplies a known target. Comparing each reading with 10.0 g identifies how far each is from the target, while the difference between the readings alone does not show which is closer.

Question 3

The delay in humid air gives the mineral more time to take up water. Added water can raise the measured mass without adding mineral.

Question 4

Wait the same amount of time for matched samples held under otherwise equal conditions, one in humid air and one in dry air. Compare mass change during the delay.