Checking a Steady Pressure During a Reaction

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

Checking a Steady Pressure During a Reaction

Question 1

Choice (3)

The collector contains gas that left Q through the outlet.

Question 2

The collector gains gas while the chamber pressure stays constant. At fixed temperature and volume, the gas amount inside remains constant, so new gas must replace the amount leaving.

Question 3

Pressure rises. New gas accumulates in the fixed chamber because it is being produced but can no longer leave.

Question 4

P’s pressure rises by 10 kPa and it loses no gas, so it forms 10 gas units. Q’s inside amount does not change but 10 gas units reach its collector, so it also forms 10 units.