Choosing a Time to Stop a Model Reaction

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

Choosing a Time to Stop a Model Reaction

Question 1

Choice (1)

The increases are 24, 7, and 2 particles in order.

Question 2

There are 65 + 18 = 83 product particles, so 100 − 83 = 17 remain in the starting form.

Question 3

At 20 s, P = 58 and Q = 9. Both meet their limits. The largest P reading is at 40 s, when Q = 26 exceeds 12.

Question 4

Record the P and Q counts together at a time between 20 s and 30 s. A P count above 58 with Q at or below 12 would show an improvement under the stated criteria.