Reading a Steady Reactant in a Flow Model

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

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Question 1

Choice (4)

The feed and use are both four particles per second.

Question 2

Four enter and two react per second. The net gain of two per second gives 20 additional particles in ten seconds.

Question 3

Four R particles react each second, so product still forms. The feed adds four per second, exactly replacing what reacts.

Question 4

Eight R particles are used without replacements. The amount falls from 60 to 52.