Checking Where Links Join Polymer Chains

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

Checking Where Links Join Polymer Chains

Question 1

Choice (1)

In P, chain 3 connects to chain 2, which connects to chain 1. In Q, chain 3 has no link to the other chains.

Question 2

P has links across two different pairs, connecting all three chains. Q uses both links on the same pair, leaving chain 3 by itself.

Question 3

Either link in P is needed to connect all three. Removing one leaves one chain separate. Q still connects chains 1 and 2 through the remaining redundant link, so its groups stay the same.

Question 4

Link chains 1 and 3. The three links then form a loop, so if any one link is removed, the other two still connect all three chains.