Comparing Selective Membranes in a Model Wash

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

Comparing Selective Membranes in a Model Wash

Question 1

Choice (2)

B passes 85% of the salt and 3% of the polymer. A passes too much polymer, and C passes too little salt.

Question 2

A membrane opening can be large enough for small dissolved ions and too small for a much larger polymer molecule to pass readily.

Question 3

Measure both percentages on matched pieces of B before use. Reuse one piece or group and retest under the same conditions while testing a matched unused piece or group. Compare the changes in the measured crossing percentages.

Question 4

It passes the polymer limit because 2% is below 5%. It fails the salt requirement because 75% is below 80%, so the used piece does not meet both.