Checking Pore Connections in Two Panels

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

Checking Pore Connections in Two Panels

Question 1

Choice (2)

Water reaches the far face of Q. It does not reach the far face of P during the recorded test.

Question 2

Each has 20 − 14 = 6 cm³ of empty space. Each pore fraction is 6/20 = 0.30.

Question 3

Equal pore volumes can contain different arrangements. Q has a connected path through the thickness, while P’s pores could be isolated or end before reaching the far face.

Question 4

Model 2 fits. Water enters P, so some pores connect to the entry face. It does not appear at the far face during the test, matching a pore that does not reach that face.