Reading Water Rise in Two Model Tubes

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

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Question 1

Choice (2)

A and C have the same radius and different surfaces.

Question 2

The product of radius and final height is 0.50 × 24 = 12 mm². The prediction is 12/0.75 = 16 mm.

Question 3

B and C have the same height at 2 s but differ in radius and final height. A timed height alone cannot isolate surface attraction.

Question 4

Radius doubles from 0.50 to 1.00 mm and final height halves from 10 to 5 mm. This is consistent with the pattern for the coated surface.