

SMART EXAM RESOURCES
IGCSE PHYSICS ANSWERS[SAMPLE SOLUTIONS]
MAIN TOPIC: MOTION FORCES AND ENERGY

Answer 4

1. Explanation of the correct answer (B: 2.8 cm)

Step 1: Identify the initial and final heights of the liquid.

The liquid's initial height when cold is 1.7 cm.

The liquid's final height when hot is 4.5 cm.

Step 2: Calculate the difference in heights.

Difference = Final height - Initial height

$$4.5 \text{ cm} - 1.7 \text{ cm} = 2.8 \text{ cm}$$

This confirms that the correct answer is 2.8 cm, corresponding to option B.