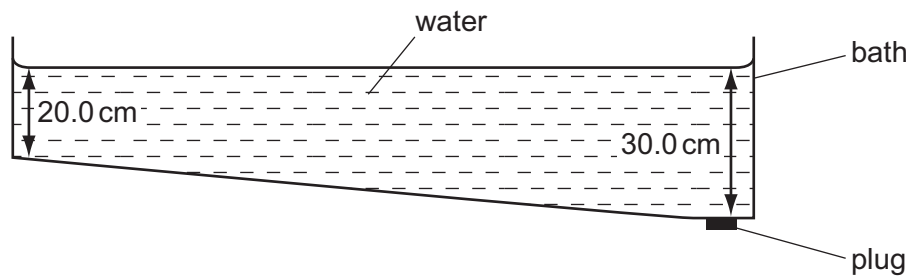


- 22** Water in a bath varies in depth from 20.0 cm at the shallow end to 30.0 cm at the end with the plug.



The density of the water is 1000 kg m^{-3} .

What is the pressure of the water acting on the plug?

- A** 1960 Pa **B** 2450 Pa **C** 2940 Pa **D** 4900 Pa
- 23** Which properties best describe modelling clay?
- A** brittle and ductile
B ductile and elastic
C elastic and plastic
D plastic and ductile
- 24** A steel spring has a spring constant of 150 N m^{-1} . When a 25 N weight is hung from the spring, it has a stretched length of 55 cm.

What was the original length of the spring?

- A** 0.38 m **B** 0.49 m **C** 0.61 m **D** 0.72 m

Space for working