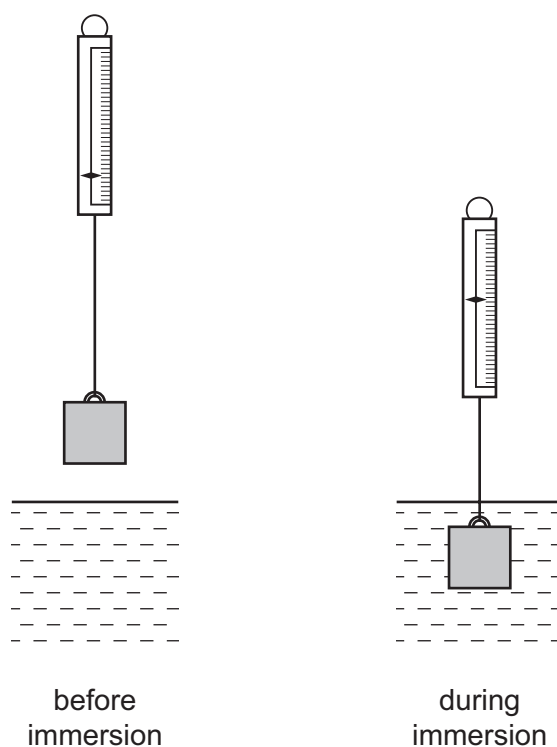


- 13** The diagrams show a metal cube suspended from a spring balance before and during immersion in water.



A reduction in the balance reading occurs as a consequence of the immersion.

Which statement is correct?

- A** The balance reading will be further reduced if the cube is lowered further into the water.
- B** The balance reading during immersion corresponds to the upthrust of the water on the cube.
- C** The forces acting on the vertical sides of the cube contribute to the change in the balance reading.
- D** The gravitational pull on the cube is unchanged by the immersion.

Space for working