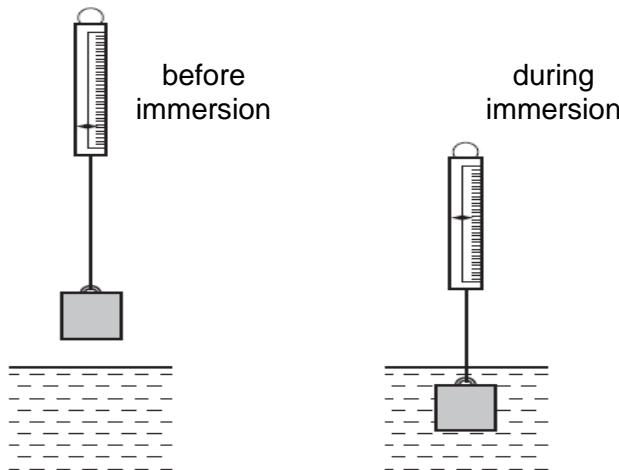


- 6** The diagrams show a metal cube suspended from a spring balance before and during immersion in water. A reduction in the balance reading occurs due to the immersion.



Which of the following statements is correct?

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