

10 An object is fully submerged in a liquid.

A student determines the ratio $\frac{\text{upthrust acting on the object}}{\text{weight of the object}}$.

Which single change would double the value of this ratio?

- A** Use a different liquid that has twice the density and the same volume as the original liquid.
- B** Use a different object that has half the volume and the same density as the original object.
- C** Use a different object that has twice the density and the same volume as the original object.
- D** Use a different object that has twice the volume and the same density as the original object.