

- 15** A solid sphere, which is less dense than water, is held completely immersed in water a few metres below the surface. The density of the water is uniform.

The sphere is released. Immediately after release, the sphere rises.

Which row describes the changes in the magnitudes of the upthrust on the sphere and the resultant force on the sphere as it rises?

	upthrust on the sphere	resultant force on the sphere
<b>A</b>	constant	decreasing
<b>B</b>	constant	increasing
<b>C</b>	decreasing	decreasing
<b>D</b>	decreasing	increasing