

18 The formula for hydrostatic pressure is $p = \rho gh$.

Which equation, or principle of physics, is used in the derivation of this formula?

- A** density = $\frac{\text{mass}}{\text{volume}}$
- B** potential energy = mgh
- C** atmospheric pressure decreases with height
- D** density increases with depth

19 The diagram shows a large crane on a construction site lifting a cube-shaped load.