

- 11** A ball falls through a liquid at a constant speed. It is acted upon by three forces: an upthrust, a drag-force and its weight.

Which statement is correct?

- A** The drag-force increases with increasing depth.
- B** The drag-force is equal to the sum of the upthrust and weight.
- C** The upthrust is constant with increasing depth.
- D** The weight is greater than the sum of the drag-force and the upthrust.

- 12** A fairground ride consists of a rotating platform with a floor that rotates at a uniform angular velocity.