

12 Which description of the centre of gravity of a rigid body is correct?

- A It is the point at which all the mass is concentrated.
- B It is the point at the middle of the body.
- C It is the point at which the total weight of the body on one side of the point is equal to the total weight of the body on the other side of the point.
- D It is the point at which the whole weight of the body may be considered to act.

13 A horizontal vessel of weight M rests on a surface that is held at an angle θ to the horizontal.