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Score: 0/11 (0.00%)

Code: 1332

1. Which affects the centre of gravity of the object

- A) Weight **B) Mass**
 C) Density D) Shape

A) $4r/5$

B) $3r/8$

C) $3r/4$

D) $r/2$

2. What is the name of the point at which all the weight of the body concentrated?

- A) Initial point **B) Centre of gravity**
 C) Centroid D) Central point

7. What is the centre of gravity of a sphere?

- A) At the centre** B) On the circumference
 C) At the diameter D) At the radius

3. Where the centre of gravity of a circle lies?

- A) At its centre** B) Any where on its radius
 C) Any where on its circumference D) Any where on its diameter

8. Which state of equilibrium's example is A cone resting on its tip?

- A) Stable B) Neutral
C) Unstable D) Horizontal

4. What is the centre of gravity of a right circular cone from its base?

- A) $h/2$ B) $h/3$
C) $h/4$ D) $h/5$

9. Which one of the following geometrical shape's centre of gravity lies from its base is $1/3$ of its height?

- A) Square B) Rhombus
C) Triangle D) Cone

5. What is the centre of gravity of a rectangular body?

- A) Longer side of rectangle B) Shorter side of rectangle
C) At the point of intersection of its diagonals D) At the corners

10. Which state of equilibrium's example is, A cone resting on its base?

- A) Un-stable B) Neutral
C) Stable D) Both A and B

6. What is the centre of gravity of a solid hemisphere from its base?

11. What is the centre of gravity of a semi circle of diameter 12 cm?

- A) 2.24 cm **B) 2.54 cm**
 C) 3.25 cm D) 2.75 cm