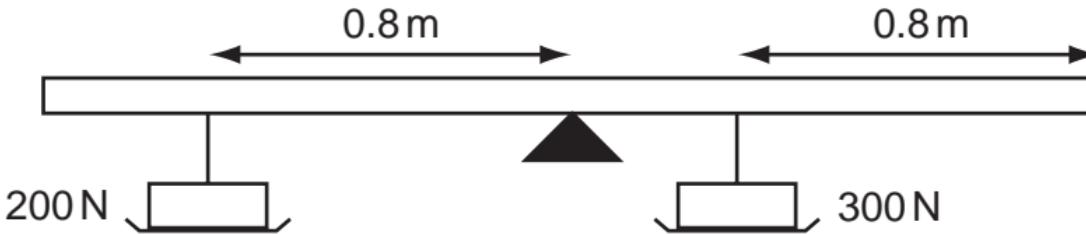


15 A rigid uniform bar of length 2.4 m is pivoted horizontally at its mid-point.



Weights are hung from two points of the bar as shown in the diagram. To maintain horizontal equilibrium, a couple is applied to the bar.

What is the torque and direction of this couple?

- A 40 Nm clockwise
- B 40 Nm anticlockwise
- C 80 Nm clockwise
- D 80 Nm anticlockwise

16 What is the internal energy of an object?