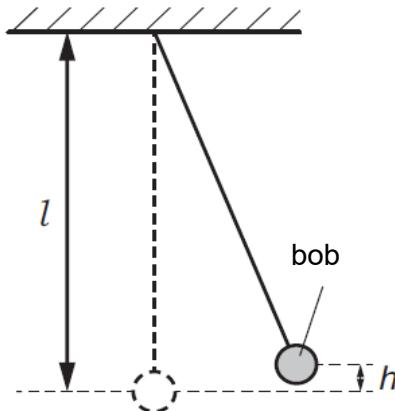


- 8 A simple pendulum of length l is attached to a bob of mass m . It is displaced sideways so that the bob rises through a vertical distance h and then released.



What is the tension in the string as the bob passes through its lowest position?

A mg

B $mg - \frac{2mgh}{l}$

C $mg + \frac{2mgh}{l}$

D $\frac{2mgh}{l}$

- 9 An object of mass 5.0 kg has a weight of 8.2 N on the surface of the moon. The radius of