None of the above

(a) 900 N
(b) 450 N
(c) 300 N
(d) 225 N
(e) 100 N

The force that it feels at that point?

What is the force from the earth's center? What is the force orbiting the earth at a fixed distance?

A satellite which weighs 900 N on earth.
\[ F_g = \frac{900}{9} = 100 \text{ N}. \]

Surface:

Reduced to \( 1/3^2 = 1/9 \) of its value at earth's square of the distance, and so it is force is inversely proportional to the square of the distance from the center of the earth is \( \mathcal{D} = 3R_e \), the gravitational force is

\[ F_g = \text{900 N}, \text{ and it is distance from the object which it feels there is force of gravity which it feels there is 900 N on earth, the} \]

\[ \text{The correct answer is } \left( e_2 \right) 100 \text{ N}. \]