

## Gravitational Force

$$F = G \frac{m_1 m_2}{d^2}$$



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The mass of the earth is  
 $5.972 \times 10^{24} \text{ kg}$

The radius of Earth is 6,370,000m.

$$G = 6.67 \times 10^{-11} \frac{\text{N} \cdot \text{m}^2}{\text{kg} \cdot \text{s}^2}$$