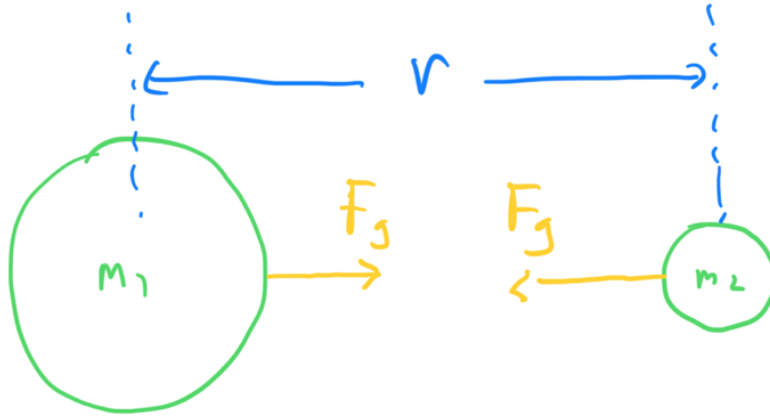


# Gravity



Important Concepts :

- ① Forces always come in pairs !!!  
— Newton's Third Law

$$\vec{F}_{AB} = - \vec{F}_{BA}$$

"equal and opposite"

$$② \quad |\vec{F}_g| = F_g = \frac{G m_1 m_2}{r^2}$$

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