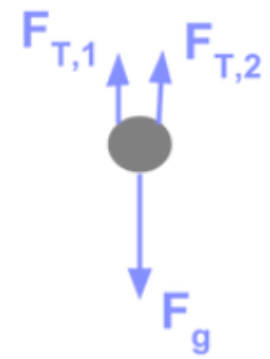
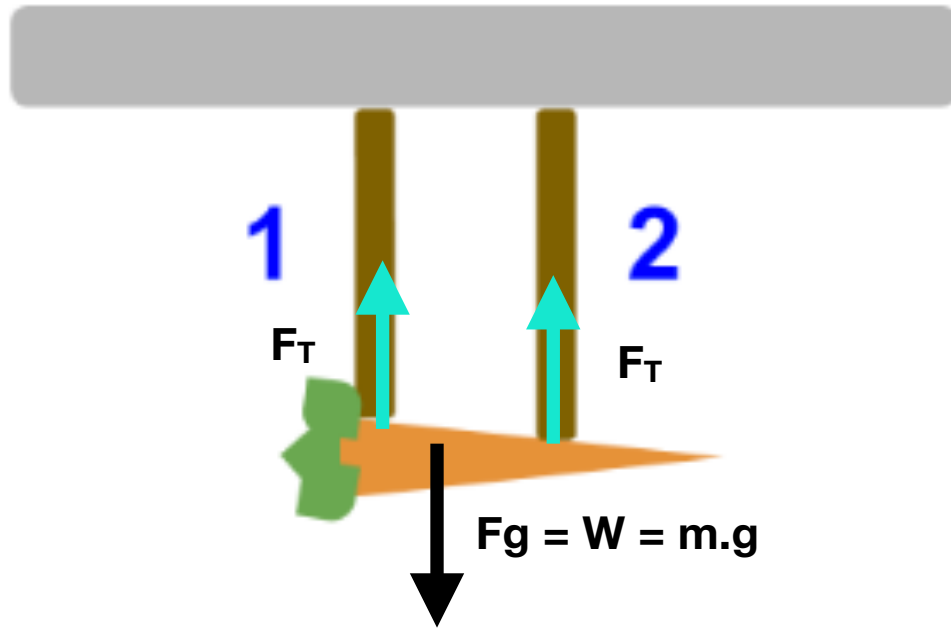
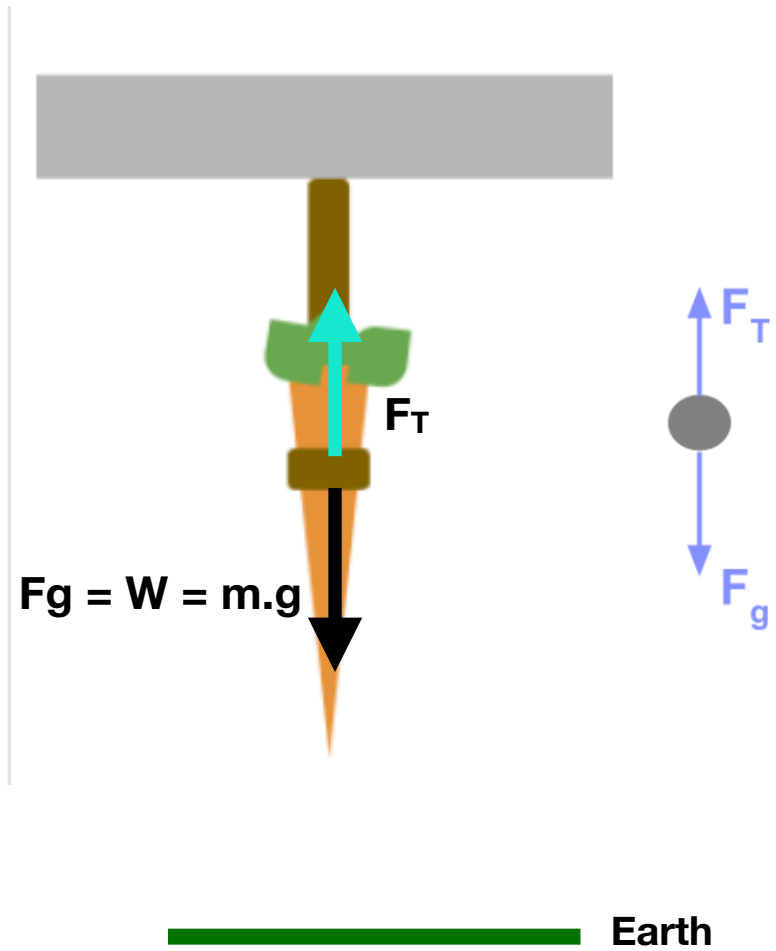


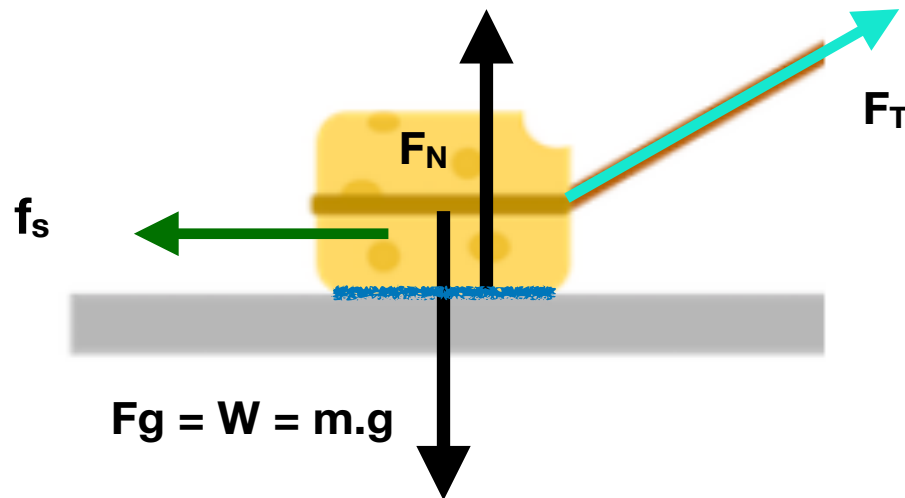
Free Body Diagrams Examples



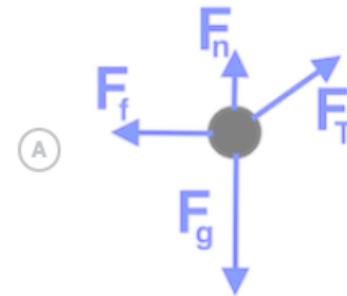
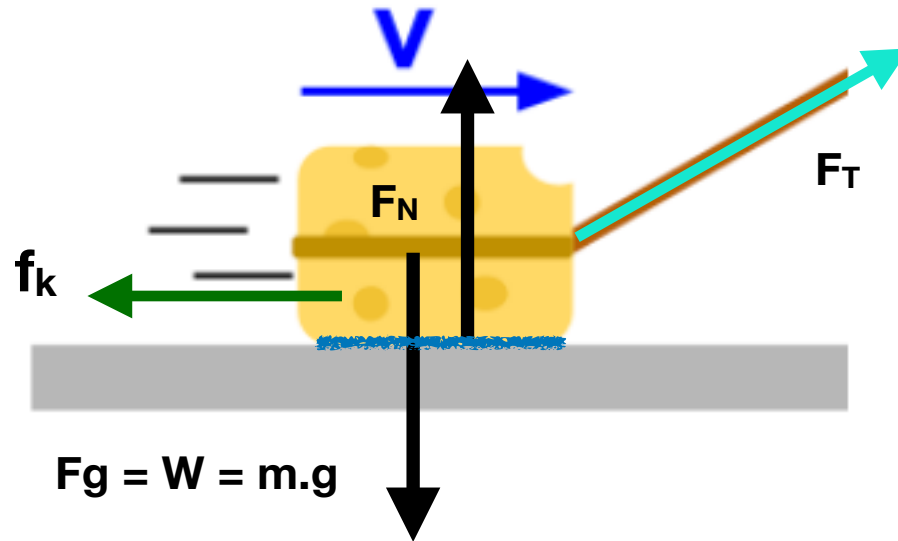


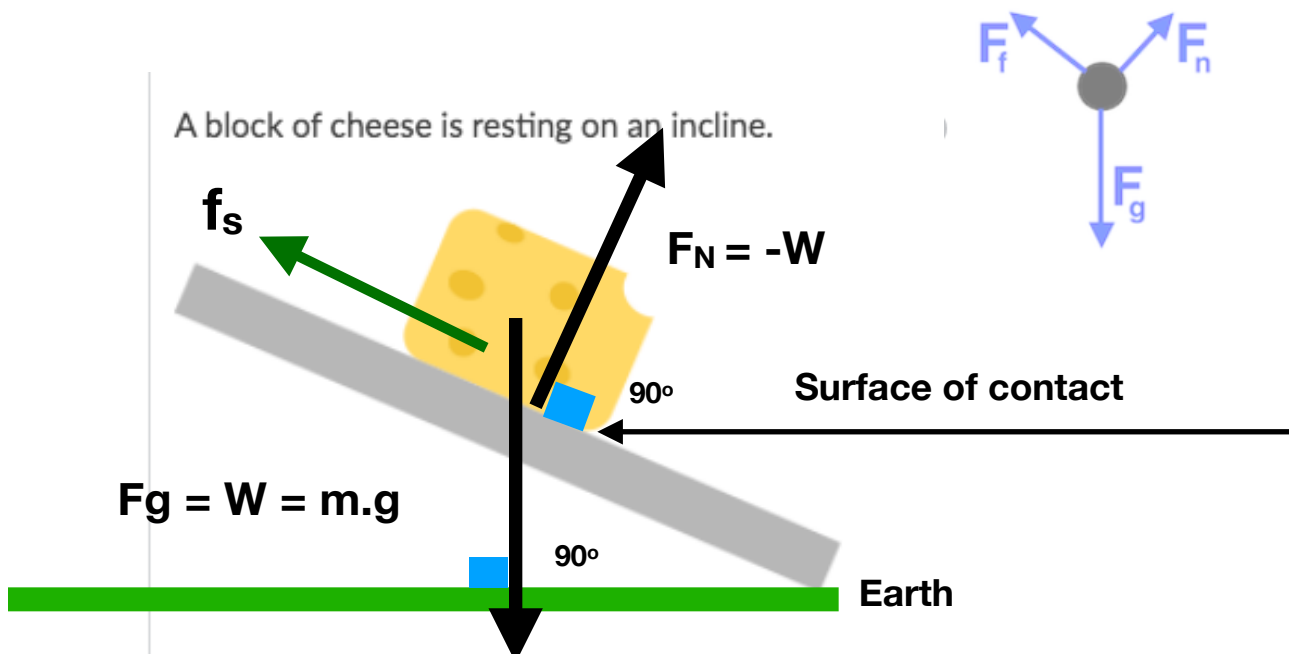
- 1) **Weight** is perpendicular (90°) to the surface of the **Earth**.
- 2) **Normal force** is **opposite** to weight and perpendicular (90°) to the surface of **contact**.
- 3) **Frictional force**, **parallel** to the surface of **contact** and **opposite** to **motion**.

REST (not moving): Static Frictional Force: f_s



Moving: Kinetic Frictional Force : f_k





What is the correct free body diagram for the block of cheese?