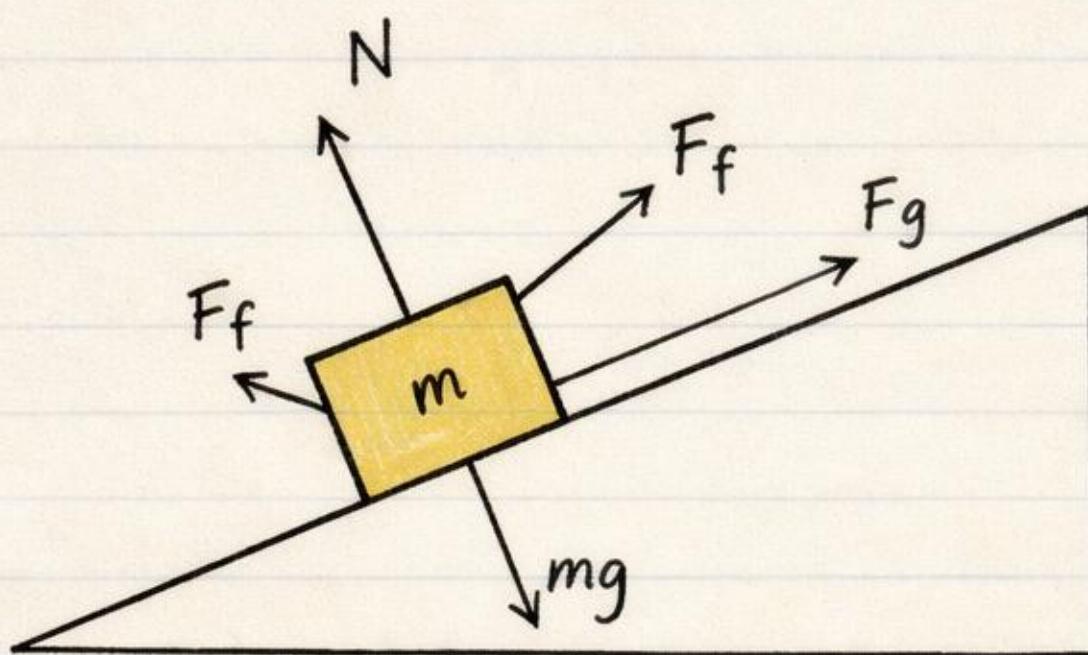


Example: Free Body Diagram

A free body diagram of a block on an inclined plane is shown below.

Free Body Diagram



N represents the normal force, F_f is the frictional force, mg is the gravitational force, and F_g is the component of the gravitational force parallel to the inclined plane.