Friction and Gravity

Friction = force that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when the two rub against each other

2 types of friction:
 1) \_\_\_\_\_\_\_\_\_\_\_ - acts on stationary objects experiencing a force
 2) \_\_\_\_\_\_\_\_\_\_\_ - acts on moving objects



Types of kinetic friction:

1. \_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_
3. Fluid = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Gravity = force that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = the only force acting on a falling object is gravity

 - all objects in free fall accelerate at the same rate. Acceleration due to gravity = 9.8 m/s2

Weight = measure of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on an object

 Weight = Mass x acceleration due to gravity
 = mg

 = Mass x 9.8 m/s2
Mass (amount of matter in an object) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, but weight

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ depending on the force of gravity.