

Name _____

Science 7

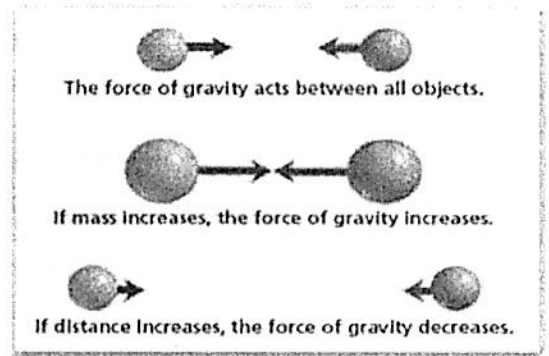
Date 11/14/19
NOTES

Aim: I can explain the behavior of falling objects.

Notes:

Gravity:

- Force of attraction between two objects
- All objects exert gravitational force
- Factors that affect the gravitational attraction between objects are mass and distance.



Mass Vs. Weight

- Weight- The measure of the force of gravity on an object.
- Mass- A measurement of the amount of matter in an object.
- Mass doesn't change based on location but Weight does.

Falling Objects

- Near Earth's surface, gravity causes all falling objects to accelerate at 9.8 m/s^2 (Free Fall)
- This only applies to objects that are dropped.
- Objects that are thrown have a greater acceleration.

Air Resistance (Type of Fluid Friction)

- The force air exerts on a moving object.
- Force acts in the opposite direction of that of the object's motion.
- Air resistance pushes up as gravity pulls down.