

Name: _____

Block: _____

PHYSICS: GRAVITY AND EFFECTS OF GRAVITY

Classwork Part 1

Part 1: Gravity Vocabulary. Fill in the blank. Neatly print the vocabulary words into the paragraph on the lines.

Attraction

Fall

Mass

Orbit

Decreases

Gravity

Moon

Sun

Distance

Increases

Newton

Tides

law of _____. This law states that gravity is a force of _____ between every object in the universe. This law also states that the force of attraction between two objects depends on two things: the _____ of the objects and the _____ between the objects. As the mass of the objects increases the force of gravity _____. As the distance between the objects increases the force of gravity _____. Gravity can be used to explain many of the things we observe in the universe. For example, gravity explains why objects _____ to the ground when you drop them. This is because the Earth's gravity is pulling on the object. Gravity also explains why the oceans have _____. They are caused by the gravitational pull of the _____ and the _____. Gravity combined with the law of inertia can even explain why the planets _____ the sun.