

Gravity

Teacher: _____

Name: _____

Class: _____

Period: _____

Date: _____

Type the test instructions here. For example, instruct the student to read each question carefully, and then print the letter of the correct answer on the line next to the question.

1. ____ What is the definition of a force?
 - a. A push.
 - b. A push or a pull.
 - c. Some mysterious energy from outer space.
 - d. A pull.

2. ____ What is gravity?
 - a. Something only found on Earth.
 - b. Something not found on Earth.
 - c. A force that pulls.
 - d. Something invented by Isaac Newton.

3. ____ What does gravity depend on?
 - a. Who invented it.
 - b. How high something is.
 - c. How big something is.
 - d. How much mass something has.

4. ____ Why does the Moon stay in orbit around the Earth?
 - a. Because of Earth's gravity.
 - b. That is just the way it is.
 - c. It would otherwise be lonely.
 - d. It does not have anywhere to go.

5. ____ Which would fall faster in a vacuum, a rock or a feather?
 - a. The feather.
 - b. They will fall together.
 - c. The rock.
 - d. It depends on how big the rock is.

6. ____ Who was the first to come up with a good description of how gravity works?
- Galileo.
 - Albert Einstein.
 - Aristotle.
 - Isaac Newton.
7. ____ Which of the following would have the largest gravitational force?
- Moon.
 - Earth.
 - The biggest mountain in the world.
 - Your friend's big brother.
8. ____ Where does the Earth's gravitational force end?
- At the Moon.
 - At the Sun.
 - It goes on forever.
 - A little before the planet Mars.
9. ____ Why doesn't a piece of paper normally fall as fast as a rock?
- Because the rock has more mass.
 - Air causes falling things to slow down.
 - The rock is in a hurry to get back on the ground.
 - Because the paper is lighter.
10. ____ Which of the following does NOT have a gravitational force?
- A car.
 - The Moon.
 - A tree.
 - All of these have some gravitational force.