STUDY GUIDE Effects of Gravity

In the blank at the left, write the letter of the term that correctly completes each statement.

1	. Every object in the universe exerts a force a. friction	e on every other object. This force is called b. gravity
2	. The measure of the force of gravity on an a. weight	object is the object's b. inertia
3	. The amount of gravitational force betwee a. color and density	n two objects depends on their b. mass and distance
4	. Weight is measured in units called a. Newtons	b. seconds
5	. The greater an object's the stronger a. mass	r the gravitational force on it. b. velocity
6	. Mass is measured in units called a meters and kilometers	b. grams and kilograms
7	. A scale uses the principle of to me a. acceleration	asure how much something weighs. b. balanced forces
8	. Earth exerts a stronger gravitational force a. the moon	than the moon because has more mass. b. Earth
9	9. The masses of your hand and your notebook are quite small, so the force of attraction between them is	
	a. strong	b. weak
1	0. An object transported from the surface of a. increased	of Earth to the surface of the moon has its weight b. decreased
1	1 doesn't change with changes in gr a. Mass	avity. b. Weight
1	2. The mass an object has, the more a. more	that object weighs. b. less
1	 On Earth, gravity exerts a(n) force a. upward 	e on your body. b. downward

Reinforcement **Effects of Gravity**

1. What is gravity?

2. What are two things that the amount of gravitational force between two objects depends on?_____

Why does Earth exert a stronger gravitational force than the moon?_____ 3.

If an object weighs 40 N on Earth would it weigh more than 40 N on the moon? Explain your answer. 4.

If an object has a mass of 26 g on Earth, would its mass be less than 26 g on the moon? Explain your answer._____ 5.

Circle the picture in each set below that shows the greater gravitational force between the two objects.

