

Name _____

Test Date: _____

Forces and Motion Study Guide

Part 1: Match the meaning to each vocabulary word:

1. _____ Push	a. a push or a pull
2. _____ Pull	b. a force that causes an object to slow down
3. _____ Force	c. when you move something away from yourself
4. _____ Motion	d. when an object changes position using force
5. _____ Gravity	e. when you move something toward yourself
6. _____ At Rest	g. a force that pulls objects towards the Earth
7. _____ Friction	f. when an object is not moving

Part 2: Label the following actions as push or pull:



Part 3: Answer the following questions.

- Big, heavy objects need a _____ force to move them.
 - large
 - small
- Small, light objects need a _____ force to move them.
 - large
 - small

Name _____

Test Date: _____

3. Reece wants to hit a homerun. He wants to get the ball over the fence. What does he need to do to make the ball go over the fence?

- a. Swing the bat with little force
- b. Hold the bat up when the pitcher throws the ball. (bunt)
- c. Swing the bat with a lot of force

4. Is it easier to ride a bike on the concrete or the grass? Explain why.

5. Would you go faster on a really tall, smooth slide or a short, bumpy slide? Why?

***This study guide is a great tool to study with your child. However, it is not meant to be memorized. We expect for students to be familiar and knowledgeable over the content in this study guide. The test will require students to apply these concepts to different problems and situations. Remember that the students' Google Classroom has many valuable resources to study with as well!**

Name _____

Test Date: _____

