

Name_____

Date_____

Science Ch. 1, lesson 2 Study Guide

Write the definition for each vocabulary word.

1. balanced forces- forces that cancel each other out when acting together on an object
2. friction- a force between two moving objects that slows them down
3. unbalanced forces- forces that do not cancel each other out and that cause an object to change its motion
4. force- a push or a pull
5. What should you do if you want to make an object move faster going forward? If you want to make an object move faster going forward, you should push or pull it with greater force.
6. Do you push or pull an object if you want it to go up? You push and object up
7. If you want to make an object go down, what should you do? If you want an object to go down, you need to push it down.
8. In a tug-a-war, if the rope is not moving, is that a balanced force or an unbalanced force? If the rope is not moving, that is a balanced force.
9. Where should you put an object if you do not want it to move? You should place an object on the floor if you do not want it to move.

10. If Ron is walking two small dogs and one large dog, and suddenly the dogs see a cat and pull in opposite directions, which way is Ron going to be pulled? **Ron will be pulled in the direction of the animal that applies, or gives, the most force.**

11. Do unbalanced forces make an object move or remain still?
Unbalanced forces make an object move.

12. What force makes a ball slow down as it rolls on a flat surface?
The force that makes an object slowdown is friction.

13. Can objects only move in a straight line? **No**

14. What tools do you need to measure the speed of a toy car? **You would need a stopwatch and a ruler to measure the speed of a toy car.**

15. Which of the following are ways to measure movement? (you can circle more than one)

distance

prediction

speed

time