

NAME:

PERIOD:

DATE:

## FORCES CLASSWORK 2

Use your notes or other references to answer the following questions.

PART ONE: MATCHING – Select the best answer for each one.

- |                          |  |
|--------------------------|--|
| 1. _____ force           | A. The strength or power of a force                                |
| 2. _____ balanced forces | B. a force that opposes motion when two surfaces are in contact    |
| 3. _____ gravity         | C. friction between a surface and the atmosphere                   |
| 4. _____ friction        | D. when the net force on an object is zero                         |
| 5. _____ direction       | E. any push or pull on an object                                   |
| 6. _____ unbalanced      | F. the combination of all the forces acting on an object           |
| 7. _____ magnitude       | G. the way a force is headed, all forces have a magnitude and this |
| 8. _____ air resistance  | H. when the net force on an object is <b>not</b> zero              |
| 9. _____ net force       | I. force of attraction between all matter                          |

PART TWO: FIX THE FALSE. – 2 of these are TRUE. The others are FALSE. FIX the FALSE by changing one word.

10. T or F. If both sides are equally strong in a tug of war, that situation can be described as balanced forces.
  
11. T or F. Rubbing your hands together vigorously will cause gravity.
  
12. T or F. Gravity is a force that pushes objects.
  
13. T or F. The stronger a force is, the greater is direction is.
  
14. T or F. A parachute works because of gravity and air resistance.



PART THREE: WRITING. Write a complete sentence (or more) to answer the following questions.

Use the **boldface** word in your sentence.

15. How is **friction** affecting the man to the right?



16. How does **air resistance** affect this machine?



17. Explain how these cats are experiencing **balanced forces**?

