Basic Forces Exam Review 2018 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is a force?
2. What are the units for force? What does it mean?
3. What is the net force?
4. What are balanced forces?
5. Draw a picture showing balanced forces. Label net force.
6. What are unbalanced forces?
7. Draw a picture showing unbalanced forces. Label net force.
8. What is friction?
9. List the three types of friction. Describe an example of each.
a.
b.

c.

1. Describe a situation where you have experienced friction.
2. What type of surface will have more friction? Less friction?
3. What is gravity?
4. Where does gravity pull?
5. What happens when an apple and a bowling ball are dropped together?
6. What happens when a feather and a hammer are dropped together?
7. What is air resistance?
8. What two factors affect gravity?
9. When you increase mass, what happens to gravity?
10. When you increase distance, what happens to gravity?
11. What is weight? Units?
12. What is mass? Units?
13. What is the difference between mass and weight?
14. Which will change if you land on the moon: mass or weight?
15. How do you find the weight of an object in Newtons?
16. What is the weight of a 55-kilogram person? W = mass x gravity (9.8 m/s/s)