

# Forces & Motion Review

1. \_\_\_\_\_ is speed in a particular direction.
2. List the five ways velocity can change below:
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_
  - d. \_\_\_\_\_
  - e. \_\_\_\_\_
3. A frame of reference is a perspective used to determine if and how an object is \_\_\_\_\_.
4. \_\_\_\_\_ means to apply a force.
5. A \_\_\_\_\_ is required to change the \_\_\_\_\_ of an object.
6. How an object changes velocity depends on the \_\_\_\_\_ of the force \_\_\_\_\_ on that object.
7. \_\_\_\_\_ is a force between an object and the surface it is moving over.
8. A \_\_\_\_\_ force can cause a \_\_\_\_\_ change in velocity.
9. Mass is the amount of \_\_\_\_\_ that makes up an object.
10. If the \_\_\_\_\_ strength force is exerted on two objects but the objects have different \_\_\_\_\_, the object with less mass will have a greater change in velocity.
11. \_\_\_\_\_ is when two objects crash into each other.
12. When two objects collide, a force is exerted on each object. The two forces are exerted in \_\_\_\_\_ directions, but are the same strength.

Use the words in this box for #'s 1 - 5

- A. Exert
- B. force
- C. slow down
- D. start
- E. velocity
- F. Velocity
- G. moving
- H. stop
- I. change direction
- J. speed up

Use the words in this box for #'s 6 - 12

- K. stronger
- L. matter
- M. exerted
- N. greater
- O. Collision
- P. direction
- Q. opposite
- R. Friction
- S. same
- T. mass