Name: _____ Date of Test: _____

Chapter 7 Motion and Forces

1. An object's position is constantly changing if it is in motion.

2. Earth's gravity keeps the objects around you on the surface of the planet.

3. The velocity of an object describes its speed and direction of motion.

4. An object in motion remains in motion until a force acts upon it.

5. A change in the direction of an object in motion is a type of acceleration.

6. The force of gravity is determined by the mass of the objects and distance between them.

7. The distance between objects can be measured.

8. To find an object's speed, divide the distance traveled by the time spent moving.

9. A rock will not move unless a force acts on it because of its inertia .

10. There is little friction between ice and the blades on ice skates.

11. Under, left, and beside describe an object's position.

12. The speed of an object describes its velocity by: adding the object's direction.

13. Inertia is the tendency of an object to stay in motion or at rest

14. Astronauts can jump higher on the moon because The moon's gravity is weaker than Earth's

15. An object with a changing speed has a changing acceleration .

16. A pilot needs to know the plane's velocity in order to calculate how long it will take to fly from one place to another. They also need to know which direction in which to fly.