**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Force and Motion Test**

1.  The following are examples of vibrations, EXCPET for:

1. sheet of paper on a desk
2. electric motors in motion
3. vocal cords talking
4. motions of engines

2.  The distance an object travels in a given time describes its .

1. position
2. speed
3. frame of reference
4. energy

3.  A force that pulls objects toward each other is .

1. force
2. frame of reference
3. gravity
4. kinetic energy

4.  A change in an object's position over time is .

1. position
2. motion
3. Sir Isaac Newton
4. Potential Energy

5.  Another name for energy of motion is .

1. frame of reference
2. potential energy
3. relative motion
4. kinetic energy

6.  A force that resists motion created by objects rubbing together is .

1. gravity
2. friction
3. speed
4. force

7.  Describes a certain place .

1. position
2. motion
3. friction
4. force

8.  Motion is

1. the push or pull of an object
2. a force that works against motion
3. a model built by an engineer
4. when an object changes position

9.  Force is

1. the push or pull on an object
2. when an object changes position
3. a model built by an engineer
4. a force that works against motion

**Force and Motion Test**

**Answer Key**

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