Name _____

Motion

0507.11.2 Prepare statements about the relationship among mass, applied force, and distance traveled

List an example next to each statement. Then draw a picture illustrating the example.

1. An object at rest will remain at rest unless a force acts on it.

2. An object in motion will continue to move at a constant speed in the same direction unless a force acts on it.

3. A force can cause an object to change directions.

4. The greater the mass of an object, the smaller its acceleration.

5. A force can cause an object to stop.