

Name: \_\_\_\_\_ The Test is on: \_\_\_\_\_

### **2015 Force and Motion Common Assessment Study Guide**

1. Be able to identify time, motion and speed of events in a distance and time graph.
2. Be able to calculate average speed using points on a graph.
3. Be able to use the correct units when calculating speed from a graph.
4. Be able to identify when a car is stopped, traveling at a constant speed, decreasing in speed or returning to its starting points on a distance-time graph.
5. Be able to identify when speed is increasing, decreasing or constant on a speed-time graph.
6. Be able to identify the differences between mass and weight of an object on the moon and on the earth.
7. Be able to identify why an object set on a table does not fall to the ground.
8. Be able to use arrows in a diagram to determine the net force, where forces are greatest and when an individual would be winning a tug-of-war.
9. Be able to identify a force that acts only in direct contact.
10. Be able to identify motion from several forces acting on an object.

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