

MOTION
SCIENCE EXAM
SIXTH GRADE

Multiply Selection

Choose the correct answer and circle the letter.

1. Is a measure of how fast position changes:
 - a. Speed
 - b. Acceleration
 - c. Velocity
2. Velocity describes:
 - a. Position and acceleration
 - b. Speed and direction
 - c. Motion and speed
3. The rate at which velocity changes describes:
 - a. Direction
 - b. Speed
 - c. Acceleration
4. _____ is an object you choose to compare the motion of all other objects.
 - a. Frame of reference
 - b. Speed
 - c. Velocity
5. Is when objects are at rest.
 - a. Friction
 - b. Inertia
 - c. Gravity
6. Is the unit to measure force.
 - a. Gram
 - b. Kilogram
 - c. Newton
7. Is a force that opposes the motion of one surface against another.
 - a. Friction
 - b. Gravity
 - c. Velocity
8. Is the amount of matter in an object.
 - a. Weight
 - b. Mass
 - c. Volume
9. Is the pull of gravity on a mass.
 - a. Volume
 - b. Mass
 - c. Weight
10. Is when a force cause an object to move.
 - a. Work

- b. Job
- c. Force

11. Is a device that changes the size or direction of the applied force.

- a. Compound machine
- b. Simple machine
- c. Inclined plane

12. Are some examples of simple machine.

- a. Cars, trucks and motorcycle
- b. Computer, microwave and television
- c. Levers, wheel and axle, pulley and

13. Is another name for a simple machine called inclined plane.

- a. Ramp
- b. Wedge
- c. Screw

14. Is the amount by which the machine multiplies the applied force.

- a. Mechanical advantage
- b. Simple machine
- c. Compound machine

15. Is the efficiency of a machine.

- a. Ratio of work
- b. Frame of reference
- c. Unit of measure