

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