

Physics Chapters 1 and 2 Practice Test

- The safest way for you to view the sun is with
 - a telescope.
 - binoculars.
 - pinhole images.
 - colored sun glasses.
- Whirl a rock at the end of a string on an ice-covered pond and it follows a circular path. If the string breaks, the tendency of the rock is to
 - continue to follow a circular path.
 - follow a straight-line path.
- The gain in speed each second for a freely-falling object is about
 - 0.
 - 5 m/s.
 - 10 m/s.
 - 20 m/s.
- If your automobile runs out of fuel while you are driving the engine stops but you do not come to an abrupt stop. The concept that most explains why is
 - inertia.
 - gravity.
 - acceleration.
 - resistance.
- If no external forces are acting on a moving object it will
 - continue moving at the same speed.
 - continue moving at the same velocity.
 - move slower and slower until it finally stops.
- Which of the following is a scientific statement?
 - The Moon is made of green cheese.
 - There are things we will never know about.
 - Matter is filled with undetectable particles.
 - There are parts of the universe that will never be found by man.
- Your weight is
 - actually your mass.
 - the gravitational attraction between you and the earth.
 - a property of mechanical equilibrium.
- When a woman stands at rest with two feet on a scale, the scale reads 500 N. When she gently lifts one foot, the scale reads
 - less than 500 N.
 - more than 500 N.
 - 500 N.
- A scientific hypothesis may turn out to be right or it may turn out to be wrong. If it is a valid hypothesis, there must be a test for proving it
 - right.
 - wrong.
- An object in mechanical equilibrium is an object
 - at rest.
 - moving with constant velocity.
 - having no acceleration.
 - all of these
- Hang from a pair of gym rings and the upward support forces of the rings will always
 - each be half your weight.
 - each be equal to your weight.
 - add up to equal your weight.
- A sheet of paper can be withdrawn from under a container of milk without toppling it if the paper is jerked quickly. This best demonstrates that
 - the milk carton has no acceleration.
 - there is an action-reaction pair of forces.
 - gravity tends to hold the milk carton secure.
 - the milk carton has inertia.
- Careful: On the surface of Jupiter, where the acceleration due to gravity is about three times that of Earth, a 100-kg rock would have a mass of about
 - 100 kg.
 - 300 kg.
 - 600 kg.
 - 900 kg.
- An apple weighs 1 N. When held at rest above your head, the net force on the apple is
 - 0 N.
 - 0.1 N.
 - 1 N.
 - 10 N.



Answer Key

Testname: PHYSICSPRACTICE1-2A

1. c
2. b
3. c
4. a
5. b
6. a
7. b
8. c
9. b
10. d
11. c
12. d
13. a
14. a

