

Look Ahead: Sample Questions

Force and Motion (Source: <http://www.physicsclassroom.com>)

1. True or False: A force is required to keep an object moving in a given direction.
2. True or False: An upward moving object must be experiencing an upward force.
3. True or False: If a person throws a ball with his or her hand, then the force of the hand upon the ball is experienced by the ball for at least a little while after the ball leaves the hand.
4. True or False: If an object is at rest, then there are no forces acting upon the object.

Look Ahead: Sample Questions

Light and Reflection

1. True or False: It is possible to see an object in a totally pitch dark room.
2. When you stand 1 ft. in front of a mirror, how far are you from your image?
3. In order to see your entire image while standing in front of a mirror the mirror must be
 - a. One-quarter your height
 - b. One-half your height
 - c. Three-quarters your height
 - d. Your full height
 - e. ...depends on your distance
4. While looking in a small pocket mirror, you only see a portion of yourself. In order to see more of yourself, you should
 - a. Move closer to the mirror
 - b. Move farther from the mirror
 - c. Get a bigger mirror

Look Ahead: Sample Questions

Batteries and Electric Circuits (source: <http://www.physicsclassroom.com>)

1. True or False: When a battery no longer works, it is out of charge and must be recharged before it can be used again.
2. True or False: A battery is the source of charge in a circuit. The charge that flows through the circuit originates in the cell.
3. True or False: Charge becomes used up as it flows through a circuit. The amount of charge that exits a light bulb is less than the amount that enters the light bulb.
4. True or False: The local electrical utility company supplies millions and millions of electrons to our homes every day.