



Potential Energy Quiz

1. What forms of energy are related to motion?
 - A. Potential and kinetic
 - B. Solar and sonar
 - C. Carbonic and nucleic
2. What is potential energy?
 - A. The energy that an object has due to movement
 - B. Energy that an object might have if it existed
 - C. Stored energy that an object has due to its position
3. When an object has potential energy, it has the potential to:
 - A. Do work, or move
 - B. Do nothing
 - C. Do virtually anything
4. Which of these objects has the most potential energy?
 - A. A rock rolling down a steep hill
 - B. A glass on a table
 - C. A ball sailing through the air
5. Which glass has the most potential energy?
 - A. A glass on the floor
 - B. A glass on top of the refrigerator
 - C. A glass on a coffee table
6. A moving object has:
 - A. Perpetual energy
 - B. Potential energy
 - C. Kinetic energy
7. How does mass relate to potential energy?
 - A. The more massive the object, the more potential energy it has
 - B. The more massive the object, the less potential energy it has
 - C. Mass and potential energy are not related
8. When does Moby have the most potential energy?
 - A. When he's on a 6-meter diving platform
 - B. When he's on a 12-meter diving platform
 - C. When he hits the water and cries like a baby
9. When Moby jumps off the diving platform, his potential energy:
 - A. Changes to solar energy
 - B. Changes to heat energy
 - C. Changes to kinetic energy
10. Who has more potential energy?
 - A. Bob standing still, because he's a rat
 - B. Moby standing still, because he has the greatest mass
 - C. Tim standing still, because he is a person



Kinetic Energy Quiz

- Which of these has the most potential energy?
 - A car at the top of a hill
 - A car speeding down a hill
 - A person at the top of a hill
- Kinetic and potential energy both relate to:
 - Light
 - Heat
 - Motion
- What is potential energy?
 - The stored energy of an object due to its position or condition
 - The energy that an object has due to its motion
 - The energy that an object might have if it existed
- What is kinetic energy?
 - The stored energy of an object due to its position
 - The energy that an object has due to its motion
 - The energy that an object might have if it existed
- Which of these is an example of kinetic energy at work?
 - A ball lodged in a tree
 - A frisbee flying through the air
 - A car in the garage
- What does kinetic energy depend upon?
 - The weight and volume of an object
 - The buoyancy of an object
 - The mass and speed of an object
- What would have the greatest kinetic energy?
 - A car driving down a hill
 - A ball rolling down a hill
 - A person running down a hill
- What has the least kinetic energy?
 - A car
 - An object that is not moving
 - A satellite in orbit
- When is kinetic energy transferred object to object?
 - When those objects pass one another
 - When those objects are in two places
 - When those objects collide
- Can you create or destroy energy?
 - Yes
 - No
 - Only if you're really strong