

1. What is energy? Choose the best answer.

- A. Anything that radiates light or heat
- B. Anything that travels in the form of a wave
- C. Any object in motion
- D. Anything that makes matter move or change

2. Which of these objects has kinetic energy?

- A. A ball moving through the air
- B. A ball sitting on a table
- C. A ball buried underground
- D. A ball sitting on the edge of a cliff

3. What is the difference between kinetic energy and potential energy?

- A. Potential energy is the energy of objects at rest; kinetic energy is the energy of objects in motion
- B. Kinetic energy is the energy of objects at rest; potential energy is the energy of objects in motion
- C. Potential energy has to do with chemistry; kinetic energy has to do with physics
- D. Kinetic energy has to do with chemistry; potential energy has to do with physics

4. Which of the following objects has the most potential energy?

- A. A ball sitting on a table
- B. A ball resting on the ground
- C. A ball sitting on a mountaintop
- D. A ball that's been thrown into the air

5. Which of the following terms is synonymous with potential energy?

- A. Stored energy
- B. Motion energy
- C. Light energy
- D. Kinetic energy

6. What would happen if you didn't have chemical energy in your body? Choose the best answer.

- A. You wouldn't be able to think
- B. You wouldn't be able to move
- C. You wouldn't be able to sleep
- D. You wouldn't be able to sit

7. What is the primary source of all light energy on earth?

- A. Lightning
- B. Volcanoes
- C. The moon
- D. The sun

8. Which of the following is an opinion about energy?

- A. Power plants and batteries supply us with electrical energy
- B. Kinetic energy is the energy of motion
- C. Chemical energy is the most important source of energy
- D. Solar energy can be used to power people's homes

9.  What do wind and moving water have in common?

- A. They both have mechanical energy
- B. They both have chemical energy
- C. They both have light energy
- D. They both have nuclear energy

10.  How is nuclear energy released?

- A. By burning fuel
- B. By moving turbines
- C. By chemicals mixing
- D. By atoms fusing together or splitting apart