

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?

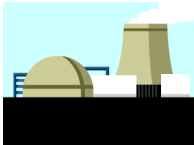
- a. Lightning
- b. Volcanoes
- c. The moon
- d. The sun

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