

Score: ____/

Unit Test
Energy

Name: _____ Date: _____

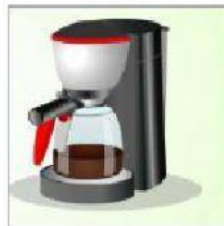
I.- Match the form of energy with its description (8 points)

- | | |
|---|------------------------------|
| _____ Energy stored in batteries, fuels, and food | 1. Chemical potential energy |
| _____ We can see it in bulbs, the sun, and lamps | 2. Sound energy |
| _____ Everything in motion has it | 3. Electrical energy |
| _____ We use different sources of this energy during winter to stay warm at home. | 4. Light energy |
| _____ The most common form of energy used for household appliances at homes. | 5. Kinetic energy |
| _____ Produced by the vibration of objects and we can hear it. | 6. Elastic potential energy. |
| _____ Energy stored in rubber bands and springs. | 7. Thermal energy |

II. Use the images as a reference and answer the questions.

1.- Which form of energy is MAINLY represented in the following diagram?

- a.- Sound energy.
- b.- Thermal energy.
- c.- Kinetic energy.
- d.- Light energy.



2.- Which form of energy is MAINLY represented in the following diagram?

- a.- Elastic Potential.
- b.- Chemical potential.
- c.- Gravitational potential.
- d.- Sound energy.



3.- Which form of energy is MAINLY represented in the following diagram?

- a.- Heat energy
- b.- Sound energy
- c.- Kinetic energy
- d.- Eolic energy



4.- Which form of energy is MAINLY represented in the following diagram?

- a.- Sound energy
- b.- Light energy
- c.- Thermal energy
- d.- Heat energy.



5.- Which form of energy is MAINLY represented in the following diagram?

- a.- Kinetic Energy
- b.- Sound Energy
- c.- Elastic potential energy
- d.- Heat energy



III. Identify the MAIN energy property represented in each image.

6.- This Hand mixer, to work, needs a wire to be connected to electricity.

- a.- Energy can be transformed.
- b.- Energy can be transported.
- c.- Energy can be transferred.
- c.- Energy can be degraded.



7.- This cell phone got very hot while I was using it, I didn't meant to, but it happens.

- a.- Energy can be transformed.
- b.- Energy can be transported.
- c.- Energy can be transferred.
- d.- Energy can be degraded.



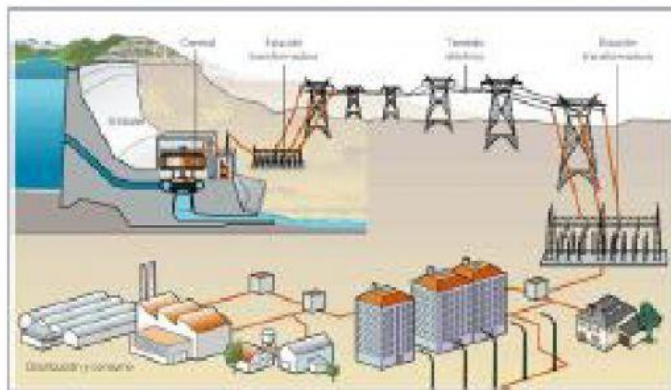
8.- This are electrical high-tension towers that hold huge cables that carry energy everywhere.

- a.-Energy can be transformed.
- b.- Energy can be transferred.
- c.- Energy can be transported.
- d.- Energy can be degraded.



9.- We can see how electricity from the hydroelectric dam, gets to our homes and factories.

- a.- Energy can be transformed.
- b.- Energy can be transferred.
- c.- Energy can be transported.
- d.- Energy can be degraded.



10. A primary energy resource is...

- a.- The first energy we use in a day.
- b.- The primary energy in a food chain
- c.- An energy resource that can be use directly from nature.
- d.- The most important sources of energy.

11. A secondary energy resource is...

- a.- Energy from nature that we transform to be able to use.
- b.- The second energy we use every day.
- c.- The energy used by the secondary consumers in the food chain.
- d.- The second most important energy source.

12. Which of the following is a primary energy resource?

- a.- Electricity to light up a lamp.
- b.- Light energy from the sun.
- c.- Gasoline moving a car.
- d.- The sound that is produced by a radio.

13. In the following transformation, which is the secondary energy resource.?

- a.- Crude Oil
- b.- Chemical Energy
- c.- Paraffine
- d.- Petroleum



14. Which energy resources are always natural?

- a.- Primary energy resources
- b.- Secondary energy resources
- c.- Both energy resources
- d.- None are always natural.

15. Which energy resources are more likely to be pollutants for our environment?

- a.- Primary energy resources.
- b.- Secondary energy resources.
- c.- Both kinds of energy resources.
- d.- Natural energy resources.

16. Thinking in what is better for our planet, which of the following is the best way to produce electric energy? Justify your answer.

- a.- Nuclear energy plant
- b.- Coal energy plant
- c.- Wind power
- d.- Hydroelectric dam/plant

I think _____ is the best way for the planet for as to produce electric energy because _____