



Name: ..... Date: .....

# Test & Quiz

## Unit 10: Sources of Energy

### I. Complete the passage with the words form the box:

**Electricity      new      conserve      hard**  
**recycled      turn      cardboard      gasoline**

#### What can you do to take care of natural resources?

You can reduce, reuse and recycle! For example (1) \_\_\_\_\_ of the lights when you are not in the room and switch off the TV or other electrical appliances when you are not using. This will reduce the use of fossil fuel used to make (2) \_\_\_\_\_. Ride your bike and walk more, to reduce the amount of (3) \_\_\_\_\_ used to transport you. You can reuse things. Things like plastic jugs, jars, paper, and bags can be used. Each time you reuse something, you (4) \_\_\_\_\_ the natural resources that would have been used to make new ones. Finally, you can recycle. Recycle means reuse a natural resource or product to make something (5) \_\_\_\_\_. It also means to collect and send these things for reuse. Items that can be easily (6) \_\_\_\_\_ include: glass, some plastics, paper, (7) \_\_\_\_\_ aluminum, and steel. Some plastics and metals are hard to recycle. They are often made for mixture of materials. Mixtures can be (8) \_\_\_\_\_ separate. Try to buy and use things that you can recycle.

### II. Read the passage carefully and then do the tasks:

We use many different energy sources to do work for us. Energy sources are classified into two groups - renewable and nonrenewable. Non-renewable energy sources are those that take millions of years to form and will run out some day. It is energy that comes from fossil fuels such as coal, crude oil, and natural gas. Fossil fuels are mainly made up of carbon and were formed millions of years ago. The chemical reaction which takes place when we burn fossil fuels releases carbon compounds such as carbon monoxide and carbon dioxide into the air. Carbon dioxide is one of the green house gases which is contributing to global warming and air pollution. On the other hand, renewable energy sources will never run out, are better for the environment and do not cause pollution. Renewable energy is often called green energy because it is a natural energy, always available and does not have to be formed like nonrenewable energy. The green energy is always there. For example, the Sun consistently shines, water is abundant, and the winds blow throughout the year. The five types include solar, energy from the Sun; geothermal, energy from heat within the Earth;

hydroelectric, energy from moving water; biomass, energy from dead plants and microorganisms and finally, energy from the wind.

**A. Decide if the flowing statements are True (T) or False (F)**

1. Non –renewable energy is a source of energy that will eventually run out.
2. Renewable energy comes from natural sources, like sunlight, wind, water, and heat of the Earth.
3. Burning fossil fuels is harmful to the environment.
4. Renewable resources are better for the environment, but they are limited in supply.
5. carbon is the main element in fossil fuels.
6. Wind is the primary source of hydroelectricity energy.

**B. Answer the questions.**

1. What are fossil fuels? .....
2. When were fossil fuels formed? .....
3. Do carbon dioxide emissions causes climate change on Earth? .....
4. How many types of renewable energy sources are there? What are they?  
.....
5. Are renewable sources bad for the environment? .....
6. Why is renewable energy called green energy? .....

**III. Complete the second sentence so that it has similar meaning to the first:**

1. Natural gas is cheaper and less polluting than coal.

Coal is.....

2. We are trying to find cheap and clean and effective sourced of energy.

We are looking.....

3. Will solar and wind replace fossil fuels within 20 years?

Will fossil fuels.....

4. This is the second time I have visited Yaly hydroelectric power plant.

I have.....

5. They built the first hydroelectric power plant in Niagara Falls in 1879.

**The first hydroelectric power plant**.....

6. It's a good idea to switch off electrical appliances when they aren't in use.

**You**.....

7. Although coal is the most polluting of fossil fuels, it is still the largest sources of energy worldwide.

**Despite**.....

8. Biogas will be used for fuel in homes and for transport.

**People**.....