UNIT 10: SOURCES OF ENERGY

C. SPEAKING

I. Write questions for the underlined parts.

1. A: ……..……

B: We should use biogas for cooking instead of gas.

2. A: ……..……

B: Solar is a renewable energy source.

3. A: ……..

B: Nuclear power can't be used popularly because it is dangerous.

4. A. ……..…..

B: People use solar power for heating or cooling the house.

5. A: ……

B: Yaly Hydropower Plant was constructed in 1993.

6. A: ……

B: Solar panels will be placed on the roofs of houses and buildings.

7. A: ……....

B: The US spent 55 billion on energy research in 2015.

8. ……

B: There are seven types of renewable energy.

II. Put the dialogue into the correct order.

…….. No, I don't. Does it cost a lot to install solar panels?

……. Don't worry. The panels have solar betteries that can store extra solar power for later use when the sunnn is shining.

……. That's great! I really wwant to reduce my carbon footprint as much as possible.

…….. Thanks.

…..1…. Do you use solar energy at home?

……..… Really? And solar energy is green energy, isn't it?

……..… I know. Will I have power when the sun goes down?

……. Yes, it does. But you can reduce your electric bill by using solar power.

……..… By consuming green energy, you can definitely do it.

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…….. Yes, solar power is one of the cleanest sources of energy, so it can help avoid the carbon dioxide and other air pollution emissions.

D. READING

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

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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?

_____

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