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| Unit 10 | **SOURCES OF ENERGY** |

**PART 1: GRAMMAR REVIEW**

#### The future continuous (Tƣơng lai tiếp diễn)

- We use the future continuous tense for an action in progress at a definite point of time in the future.

**(+) S + will be + V-ing**

**(-) S + will not be + V-ing (?) Will + S + be + V-ing?**

Ex: - At this time next week, we will be studying Unit 11.

* This time next month, I will be sitting on the beach.
* I will be waiting for you when you come out.
* At 12 o’clock next Saturday, I’ll be fishing with my grandson.
* This time next Sunday, I’ll be skiing with my friends.

#### The future simple passive (Bị động tƣơng lai đơn)

(+) S + will be + Vp2 + by O

(-) S + will not be + Vp2 + by O (?) Will be + S + Vp2 + by O?

Ex: - We will use low energy light bulbs.

→ Low energy light bulbs will be used.

* People will use the sun’s energy to heat water.

→ The sun’s energy will be used to heat water.

* Another renewable source will replace coal.

→ Coal will be replaced by another renewable source.

**PART 2: EXERCISES**

* + 1. **PHONETICS**
1. **Put the words in the table in the correct column according to their stress pattern.**

|  |  |  |  |
| --- | --- | --- | --- |
| **convenience** | **calendar** | **exercise** | **travelling** |
| **similar** | **marvelous** | **excellent** | **familiar** |
| **important** | **wonderful** | **abundant** | **convenient** |
| **biogas** | **scientist** | **musician** | **energy** |
| **polluting** | **dangerous** | **excellent** | **plentiful** |

Stress on 1st syllable

Stress on 2nd syllable

#### Choose a word in each line that has different stress pattern.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. A. atmosphere | B. plentiful | C. effective | D. natural |
| 2. A. constancy | B. sympathy | C. generous | D. suspicious |
| 3. A. unfortunate | B. continuous | C. renewable | D. artificial |
| 4. A. recommend | B. abundant | C. solution | D. increasing |
| 5. A. confident | B. memorable | C. excited | D. interested |
| 6. A. motorbike | B. generate | C. advantage | D. atmosphere |
| 7. A improvement | B. different | C. develop | D. enormous |
| 8. A. seriously | B. personally | C. carefully | D. correctly |

1. **Find the word which has a different sound in the underlined part.**
	1. A. hydroelectric B. environment C. solar D. biogas
	2. A. pleasure B. feed C. heat D. meat
	3. A. plentiful B. electric C. renewable D. energy
	4. A. few B. knew C. new D. sew
	5. A. nuclear B. truck C. abundant D. dump
		1. **VOCABULARY AND GRAMMAR**
2. **Choose the best one (A, B, C or D) to complete the sentence or replace the underlined word.**
	1. At this time next week we to work to support the air pollution cutting down campaign.
		1. are cycling B. will be cycling C. will cycle D. will be cycled
	2. Someone’s carbon is a measurement of the amount of carbon dioxide that their activities produce.
		1. footprint B. energy C. effect D. amount
	3. Remember to the lights before going to bed.
		1. turn on B. stop C. turn D. turn off
	4. We will cut down in the use of natural gas because it is and harmful to the environment.
		1. available B. abundant C. plenty D. limited
	5. Hydro power is because dams cannot be built in certain areas.
		1. abundant B. enough C. limited D. unlimited
	6. source of energy is the source that can’t be replaced after use.
		1. Effective B. Non-renewable C. Renewable D. Natural
	7. Which of the following is NOT renewable source of energy?
		1. wind B. coal C. hydro D. solar
	8. We are looking for cheap, clean and sources of energy.
		1. serious B. dangerous C. effective D. efficient
	9. By the middle of the 21st century, people in developing countries more renewable energy.
		1. used B. have used C. uses D. will be using
	10. If we go on electricity, we will have to pay a lot next month.
		1. turning on B. widened C. wasting D. increasing
	11. Biogas is and cheap for cooking and heating.
		1. serious B. expensive C. plenty D. abundant
	12. We should put on our roof for the heating and hot water.
		1. equipment B. cracks C. solar energy D. solar panels
	13. In many countries, people think that electricity, gas and water are not luxuries but

.

* + 1. necessities B. appliances C. sales D. consumers
	1. We should use light bulbs in our homes.
		1. a bit energy B. efficient C. low energy D. little energy
	2. A hydropower station in the North of the country next year.
		1. will be built B. has been built C. was built D. were built
1. **Turn into passive.**
	1. Students will use public transport to go to school.

→ ................................................................................................................................

* 1. Solar power will generate a great deal of electricity this summer.

→ ................................................................................................................................

* 1. Will they install the solar panels on the roof of the house tomorrow?

→ ................................................................................................................................

* 1. Local people won’t burn plants to heat this winter.

→ ................................................................................................................................

* 1. The smoke from factories will pollute the air.

→ ................................................................................................................................

* 1. They will build a hydro power station in this area.

→ ................................................................................................................................

1. **Put the verbs in brackets in the correct tense forms to complete the sentences.**
	1. I *(study)* at 8.00 tomorrow.
	2. You *(wait)* for her when her plane arrives tonight?
	3. Don’t phone me between 7 and 8. We *(have)* dinner then.
	4. What clothes do you think she *(wear)* when she arrives?
	5. I (send) in my application tomorrow.
	6. Linda *(arrive)* in Ha Noi around March.
	7. Next week at this time, you *(lie)* on the beach.
	8. My uncle can’t come to your party tomorrow night because he *(work)* at night.
	9. You *(meet)* your former teachers at 9 a.m. tomorrow morning, won’t you?
	10. At this time tomorrow evening, I *(play)* computer games in my bedroom.
2. **Give the correct form of the words given to complete sentences.**
	1. We should use them and try to find out **ECONOMY**

alternative sources of power.

* 1. Solar energy is , plentiful and clean. **RENEW**
	2. I think that solar energy can be an source of **ALTER**

energy in the near future.

* 1. We should reduce the use of at home. **ELECTRICAL**
	2. It’s a clean source of energy. Sailboats couldn’t move without **POWERFUL**

this .

* 1. Waves will be used as an friendly source of energy. **ENVIRONMENT**
	2. Limit car trips by relying on biking, walking, public **TRANSPORT**

 .

* 1. Solar power can be used to or cool our houses. **HOT**
	2. Energy is used to a lot of electrical things. **PRODUCT**
	3. There will be a of energy in the near future. **SHORT**

**C. READING**

1. **Choose the word or phrase among A, B, C or D that best fits the blank space in the following passage.**

In Western countries, electricity, gas, and water are not (1) but necessities. Companies now realize that consumers want (2) that will not only work effectively, (3) save money.

For most North American households, lighting (4) for 10 percent to 15 percent of the electricity (5) . However, this amount can be (6) by replacing an ordinary 100-watt light bulb with an energy-saving bulb. These bulbs use a (7)

 of the electricity of standard bulbs and last eight times (8) . Therefore, consumers can save about US$7 to US$21 per bulb. In Europe, there is a labeling scheme for refrigerators, freezers, washing machines and tumble dryers. The label tells the consumers how much energy efficiency each model has, compared (9) other appliances in the same category. Ultimately, these innovations will save money as well as (10) the earth’s resources

|  |  |  |  |
| --- | --- | --- | --- |
| 1. A. launching | B. luxuries | C. coming | D. peaking |
| 2. A. tickets | B. weapons | C. spaceships | D. products |
| 3. A. but also | B. towards | C. with | D. into |
| 4. A. as good as | B. like as | C. accounts | D. such as |
| 5. A. burnt | B. bill | C. went off | D. banged |
| 6. A. reduced | B. audience | C. observatories | D. watcher |
| 7. A. sent back | B. returned to | C. separated from | D. quarter |
| 8. A. weightlessness | B. longer | C. wavelengths | D. length |
| 9. A. space | B. atmosphere | C. with | D. universe |
| 10. A. conserve | B. drivers | C. tourists | D. astronauts |

#### Fill in the blank with a suitable word.

Energy is very (1) in modern life. People use energy to (2) machines, heat and cool their homes, cook, (3) light, transport people and products from place (4) place. Most energy nowadays (5) from fossil fuels such as petroleum, coal, and (6) gas. However, (7) fossil fuels causes pollution. In addition, if we don’t find new (8) of energy, we will (9) up all the fossil fuels in the 21st century. Scientists are working to (10) other kinds of energy for the future. What might these sources of energy be?

#### Read the passage, and choose the correct answer A, B, C or D for each question.

Almost all our energy comes from oil, coal, and natural gas. We call them fossil fuels. The earth’s fossil fuels are running out. What will happen when there is no oil, coal and gas on the earth?

Scientists are trying to find and use other alternative sources of energy. We can use energy from the sun, the wind, and the water.

Solar energy is unlimited. The sun supplies all the energy used to grow plants, to evaporate water for rain, and to maintain the temperate of the planet. All are necessary for human life. If we are able to collect solar energy, we will be sure to have this abundant source od power.

* 1. From which do plants on the earth get energy?
		1. stars B. the Mars C. the moon D. the sun
	2. What are the other words or phrase for fossil fuels?
		1. natural gas B. oil C. coal D. oil, gas, natural gas
	3. Natural sources of energy are energy from .
		1. wind B. the sun C. water D. the sun, wind, water
	4. The word “abundant” in the passage is closet in meaning with .
		1. plentiful B. limited C. natural D. necessary
	5. We are asking the question, “What will happen when there is no oil, coal, and gas on the earth?” because .
		1. we are now depending so much on oil, coal, and natural gas
		2. other sources of energy can come from the sun, wind, and water
		3. we are looking forward to seeing great changes
		4. we are looking for other alternative sources of energy

**D. WRITING**

1. **Rewrite the sentences so that it has similar meaning as the sentence printed before, using the words given.**
	1. They will install solar panels on the roof of our house next week.

→ Solar panels

* 1. They will build a new school for poor children next month.

→ A new school

* 1. Will the plumber check cracks on the water pipes in two days?

→ Cracks

* 1. They sell these chemicals everywhere in my hometown.

→ These chemicals

* 1. They won't show the film on types of future energy sources next Friday.

→ The film

* 1. Some people will interview the new president on TV.

→ The new president

* 1. They will destroy the old thermal power plant at the end of this year.

→ The old thermal

* 1. They will widen the road to our village next year.

→ The road

* 1. We will be using biogas for cooking and heating at this time next month.

→ Biogas

* 1. They got the first prize at the competition.

→ The first

#### Use the cues given to write correct sentences.

* 1. Many countries/ already using/ solar energy.

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* 1. save/ energy/ one/ best/ way/ conserve/ natural/ resources.

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* 1. At present/ most/ our electricity/ come/ use/ coal, gas, oil or nuclear power.

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* 1. plant/ tree/ create/ shade/ around/ house/ help/ keep/ cool.

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* 1. This power/ could/ provide/ sun.

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* 1. not leave/ fridge/ open/ cold air/ escape/ use/ lot/ electricity.

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* 1. One percent/ solar energy/ reach/ earth/ enough/ provide power/ the total population.

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* 1. Turn/all/light/every/time/leave/room.

....................................................................................................................................

**PART 3: test yourself**

#### Choose a word in each line that bas different stress pattern.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. A. different | B. serious | C. effective | D. regular |
| 2. A. dangerous | B. countryside | C. energy | D. volunteer |
| 3. A. incapable | B. sincere | C. loyalty | D. success |
| 4. A. development | B. satisfaction | C. population | D. education |
| 5. A. interfere | B. convenient | C. referee | D. cigarette |
| 6. A. attraction | B. humorous | C. acquaintance | D. unselfish |
| 7. A. changeable | B. dioxide | C. countryside | D. natural |
| 8. A. important | B. plentiful | C. familiar | D. convenience |

1. **Find the word which has a different sound in the underlined part.**
	1. A. wants B. helps C. plays D. looks
	2. A. transport B. power C. report D. short
	3. A. listened B. enjoyed C. decided D. played
	4. A. many B. carbon C. large D. hard
	5. A. blood B. spoon C. noon D. tool

#### Choose the best one (A, B, C or D) to complete the sentence or replace the underlined word.

* 1. Nuclear energy is , but it is dangerous.
		1. renewable B. non-renewable C. natural resource D. fossil fuel
	2. Fossil fuels are very common in our society but they the environment.
		1. waste B. pollute C. renew D. provide
	3. All the houses in our village will be by solar energy.
		1. frozen B. widened C. heated D. heightened
	4. Several governments try to the use of fossil fuels.
		1. waste B. save C. reduce D. increase
	5. At this time next week, we a wind turbine in our garden.
		1. will installed B. will be installing C. install D. installed
	6. Low energy light bulbs should be used to electricity.
		1. convert B. save C. spend D. buy
	7. It is a good idea to use when travelling long distances.
		1. private cars B. public transport C. cars D. taxis
	8. “Why is it called a source?” - “Because it can be replaced easily and quickly.”
		1. renewable B. non-renewable C. effective D. specific
	9. We must the amount of water our family use every day.
		1. lessen B. narrow C. lower D. reduce
	10. Wave energy is a source of energy.
		1. environmental friendly B. environmentally friendliness

C. environment friendly D. environmentally friendly

* 1. Alternative sources of energy developed in the near future.
		1. has been B. will be C. is D. was
	2. She cooking in the kitchen at 7 PM tomorrow.
		1. will B. is C. will be D. be
	3. Some new energy-saving bulbs in the dining room.
		1. will be put B. will put be C. will put D. will be putting
	4. What should we do to electricity?
		1. take B. save C. cut D. waste
	5. The wind, the sun, and the wave are some types of sources of energy.
		1. cheap B. costly C. changeable D. alternative

#### Give the correct form of the words given to complete sentences.

* 1. I don’t think so. The solar panels are becoming **CHEAP**

and easy to install.

* 1. Scientists are looking for clean and sources **EFFECT**

of energy.

* 1. I know it is also clean and safe to the environment. But does **SUN**

it cost a lot of money to install the panels on the roofs?

* 1. More renewable energy sources will be used to solve the **POLLUTE**

problem of .

* 1. Because our major sources of energy are running out while **LIMIT**

the solar energy is abundant and .

* 1. , fossil fuels are harmful to the environment. **FORTUNATE**
	2. Energy is used to produce a lot of things. **ELECTRICAL**
	3. The of wind turbines will be completed **INSTALL**

by next Friday.

* 1. It can be found in only some places of the earth. It comes **DEEP**

from inside the earth.

* 1. particles reach the Earth in just 8 minutes. **ENERGY**

#### Fill in the blank with a suitable word.

There is now increasing concern about the world’s energy (1) , particularly about those involving fossil (2) . In less than a hundred years we shall probably use up all the present (3) of oil and gas. The world’s coal reverses should last longer but,

once used, these cannot be (4) . It is important, therefore, that we should develop such (5) sources of energy as solar energy as well as water and wind power, classed as renewable energy.

#### Read the following passage and choose the best option.

It’s hard to imagine education without (1) . Without energy, people’s ability to get a decent education is severely (2) . Education is acknowledged as a crucial factor in helping people escape (3) poverty. In communities without energy children are often forced out of school to help (4) cooking (5) or earn money. When they do go to school it has to be in (6) , which restricts their hours especially as many children walk for hours to get there. When they arrive home to do their schoolwork, they have no (7) to study and all that greets them is darkness. Or they have to rely on kerosene to provide precious light, which is both expensive and dangerous; if a lamp is knocked over it can cause serious burns. Computers, radio or TV are important tools in the (8) education. A (9) of electricity restricts the (10) for children to further their education. And teachers don’t want to work in communities where there are no lights, little equipment, no TVs, computers or life after dark.

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| 1. A. like | B. energy | C. such as | D. similar |
| 2. A. approximately | B. expressively | C. affected | D. progressively |
| 3. A. from | B. pioneering | C. pioneering | D. pioneers |
| 4. A. custom | B. waiter | C. collect | D. pill |
| 5. A. tourists | B. materials | C. pilot | D. guess |
| 6. A. Orbit | B. Orbition | C. Orbital | D. daylight |
| 7. A. light | B. designed | C. draw | D. painted |
| 8. A. equipment | B. tool | C. modern | D. furniture |
| 9. A. invitation | B. lack | C. space | D. aviation |
| 10. A. landscape | B. departures | C. islands | D. opportunity |

#### Read the passage, and choose the correct answer A, B, C or D for each question.

Many people still believe that natural resources will never be used up. Actually, the world’s energy resources are limited. Nobody knows exactly how much fuel is left. However, we also should use them economically and try to find out alternative sources of power. According to Professor Marvin Burnham of the New England Institute of Technology, we have to start saving coal, oil and gas before it is too late; and solar power is the only alternative.

However, many people do not approve of using nuclear power because it’s very dangerous. What would happen if there was a serious nuclear accident? Radioactivity causes cancer and may badly affect the future generations. The most effective thing is that we should use natural resources as economical as possible.

* 1. *How much fuel left?*
		1. there is a lot of fuel B. Let’s use it as much as we would like

C. No one knows exactly D. It will never be used up

* 1. *According to professor Mavin Burnham, .*
		1. solar power is the only alternative
		2. we have to save coal, oil, and gas
		3. A and B are incorrect
		4. A and B are correct
	2. *Radioactivity from nuclear power* .
		1. alters a new kind of energy
		2. is necessary to cure diseases
		3. can have good effects on the future generations
		4. causes cancer and has bad effects on the future generations
	3. *We should use coal, oil, and gas* .
		1. as much as possible B. carelessly

C. as economically as possible D. all are incorrect

* 1. *According to the passage, using nuclear power is* .
		1. interesting B. dangerous C. safe D. cheap

#### Correct the mistake in these sentences.

* 1. Wind power **will be using** at this time next year.
	2. The power station **will be rebuild** at the beginning of next year.
	3. They **will be put solar panels** in the back yard next Saturday.
	4. We **will be taken a test** on source of energy at 10 o’clock on Tuesday.
	5. At this time next week, we **will be stay with** my brother in SLHPP.

#### Complete the second sentence in each pair so that it has similar meaning to the first sentence.

* 1. Governments will make more regulations to reduce industrial pollution.

→ More regulations

* 1. People won’t burn fossil fuels for energy in the future.

→ Fossil fuels

* 1. People will construct more wind turbines in that area to produce electricity.

→ More wind turbines

* 1. Shall we reduce our electricity bills to 20% in five months?

→ Will our electricity

* 1. People will develop alternative sources of energy.

→ Alternative sources

* 1. We will be providing electricity this time next year.

→ Electricity

* 1. Scientists will find solutions to reduce pollution in our city.

→ Solutions

* 1. They will increase the tax on petrol to 15% next September.

→ The tax

* 1. With that device people will change the wave energy into electricity.

→ With that device the wave energy

* 1. We shall replace ordinary 100- watt light bulls with energy- saving ones.

→ Ordinary

#### Use the cues given to write correct sentences.

* 1. Solar panels/ place/ the roof/ a house/ and/ sun’s energy/ use/ heat water.

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* 1. There/ many/ thing/ do/ home/ help/ family/ more/ energy/ efficient.

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* 1. The energy/ store/ a number of days.

....................................................................................................................................

* 1. Shut/ computer/ TV/ other/ electrical/ stuff/ when/ not/ use.

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* 1. Viet Nam/ an advanced technology/ solar energy.

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* 1. Cars/ use solar energy/ gas/ by the year 2030.

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* 1. On/ cloudy/ you/ use/ solar energy/ too.

....................................................................................................................................

* 1. take/ short/ shower/ instead/ long/ bath/ help/ save.

....................................................................................................................................

**ĐÁP ÁN**

**A. PHONETICS I.**

***PART 2: EXERCISES***

**Stress on 1st syllable Stress on 2nd syllable**

calendar, exercise, travelling, similar, marvelous, excellent, wonderful, biogas, scientist, energy, dangerous, excellent, plentiful

convenience, familiar, important, abundant, convenient, musician, polluting

#### II.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. C | 2. D | 3. D | 4. A |  |
| 5. C**III.**1. B | 6. C2. A | 7. B3. C | 8. D4. D | 5. A |

**B. VOCABULARY AND GRAMMAR I.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. B | 2. A | 3. D | 4. D | 5. C |
| 6. B | 7. B | 8. C | 9. D | 10. C |
| 11. D | 12. D | 13. A | 14. C | 15. A |

#### II.

1. Public transport will be used to go to school by students.
2. A great deal of electricity will be generated by solar power this summer.
3. Will the solar panels be installed on the roof of the house tomorrow?
4. Plants won’t be burnt to heat this winter by local people.
5. The air will be polluted by the smoke from factories.
6. A hydro power station will be built in this area.

|  |  |  |  |
| --- | --- | --- | --- |
| **III.** | 1. will be studying |  | 2. Will you be waiting |
|  | 3. will be having5. will send7. will be lying9. will be meeting |  | 4. will be wearing6. will arrive8. will be working10. will be playing |
| **IV.** | 1. economically |  | 2. renewable |
|  | 3. alternative5. power7. transportation/ transport9. produce |  | 4. electricity6. environmentally8. heat10. shortage |
| **C.****I.** | **READING**1. B 2. D | 3. A | 4. C 5. B |
| **II.** | 6. A 7. D1. important 2. run | 8. B3. give | 9. C 10. A4. to 5. comes |
| **III.** | 6. natural 7. burning1. D 2. D | 8. kinds3. D | 9. use 10. find4. A 5. D |
| **D.****I.** | **WRITING** |  |  |

1. Solar panels will be installed on the roof of our house next week.
2. A new school will be built for poor children next month.
3. Will cracks on the water popes be checked in two days (by the plumber)?
4. These chemicals are sold everywhere in my hometown.
5. The film on types of future energy sources won’t be shown next Friday.
6. The new president will be interviewed on TV.
7. The old thermal power plant will be destroyed at the end of this year.
8. The road to our village will be widened next year.
9. Biogas will be used for cooking and heating at this time next month.
10. The first prize was gotten at the competition.

#### II.

1. Many countries are already using solar energy.
2. Saving energy is one of the best ways to conserve natural resource.
3. At present, most of our electricity comes from the use of coal, gas, oil or nuclear power.
4. Plant trees because trees create shade around your house and help keep it cool.
5. This power could be provided by the sun.
6. Don’t leave the fridge door open because cold air escapes and this uses a lot of electricity.
7. One percent of the solar energy that reaches the earth is enough to provide power for the total population.
8. Turn off all the lights every time you leave the room.

**PART 3: TEST YOURSELF**

**I.**

1. C 2. D 3. C 4. A

5. B 6. B 7. B 8. B

#### II.

1. C 2. B 3. C 4. A 5. A

#### III.

1. A 2. B 3. C 4. C 5. B

6. B 7. B 8. A 9. D 10. D

11. B 12. C 13. A 14. B 15. D

#### IV.

1. cheaper 2. effective 3. solar

4. pollution 5. unlimited 6. Unfortunately

7. Electrical 8. installation 9. deep

10. Energetic

#### V.

1. resources 2. fuels 3. sources 4. renewed 5. alternative

#### VI.

1. B 2. C 3. A 4. C 5. B

6. D 7. A 8. C 9. B 10. D

#### VII.

1. C 2. D 3. D 4. C 5. B

#### VIII.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1. using3. be5. stay | → used→ Bỏ→ staying | 2. rebuild4. taken | → rebuilt→ taking |
| **IX.** |  |  |  |  |

1. More regulations will be made to reduce industrial pollution by governments.
2. Fossil fuels won’t be burnt for energy in the future.
3. More wind turbines will be constructed in that area to produce electricity.
4. Will our electricity bills be reduced to 20% in five months?
5. Alternative sources of energy will be developed.
6. Electricity will be being provided at this time next year.
7. Solutions will be found to reduce pollution in our city by scientists.
8. The tax on petrol will be increased to 15% next September.
9. With that device the wave energy will be changed into electricity.

10. Ordinary 100- watt light bulls will be replaced with energy-saving ones.

#### X.

1. Solar panels are placed on the roof of a house and the sun’s energy is used to heat water.
2. There are many things you can do at home to help your family more energy efficient.
3. The energy can be stored for a number of days.
4. Shut down the computer, TV and other electrical stuff when you aren’t using it.
5. Viet Nam has an advanced technology of solar energy.
6. Cars will use solar energy instead of gas by the year 2030.
7. On cloudy days you can use solar energy, too.
8. Talking a short shower instead of a long bath can help save energy.