UNIT 10: SOURCES OF ENERGY

TEST FOR UNIT 10

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I. Choose the word that has underlined part pronounced differently from the rest

1. a. solar	b. fossil	c. hydro	d. slogan
2. a. abundant	b. consumption	c. sunlight	d. pollution
3. a. certain	b. carbon	c. coal	d. convert
4. a. heat	b. cheap	c. instead	d. easily
5. a. replaced	b. limited	c. trapped	d. walked

II. Choose the word that has different stress pattern

1. a. machine	b. carbon	c. harmful	d. turbine
2. a. generate	b. natural	c. effective	d. energy
3. a. limit	b. replace	c. panel	d. hydro
4. a. recycle	b. pollution	c. abundant	d. biogas
5. a. nuclear	b. solar	c. resource	d. shortage

III. Fill in each blank with an appropriate word.

1._____energy resources include coal, oil, natural gas and uranium.

2._____energy creates clean, renewable power from the sun.

3. We need to look for ways to reduce our carbon_____.

4. Coal is a _____fuel that was formed millions of years ago.

5. Renewable energy sources will never _____out because they are easily replenished.

6. Burning fossil fuels emits a lot of pollutants that are _____to the environment.

7. Solar_____ are fitted to building and turn the sun's ray into energy

8. Some countries are _____coal with natural gas because natural gas is less polluting than coal.

IV. Choose the best answer, a, b, c or d to complete the sentence.

1. Once non-renewable energy sources are used _____they are gone forever.

a. out b. up c. for d. off

2. Many chemicals have a damaging effect _____effect environment.

a. on b. in c. to d. for

3. Renewable energy is also called" _____energy" because it doesn't pollute the air.

a. inexhaustible b. available c. clean d. dangerous

4. _____ the pollution it cause, coal still plays an important role in the production of electricity around the world .

a. Despite b. Due to c. Even though d. However

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5. What _____if carbon dioxide levels continue to increase?

a. happen b. will happen c. will be happened d. will be happening

6. The use of wind energy is growing rapidly because it is widely available and _____

a. environmental friendly b. environmental friendly

c. environment friendly d. friendly environmental

7. Using solar panels at home can help _____your electric bill and your carbon footprint.

a. reduce b. increase c. provide d. convert

8. Wind power is the most promising _____source of energy.

a. non-renewable b. natural c. limited d. alternative

9. You can save much water by _____ .

a. using energy saving light bulbs b. using biogas for cooking

c. taking showers instead of baths d. walking or riding a bike to school

10. 'Is it difficult to reduce our carbon footprints?' '_____'

a. It depends on the way you think. b. Not at all. Just practicing the 3R's.

c. It's not if we still rely on fossil fuels. d. I'm not sure. What will happen**?**

V. Write the correct form or tense of the verbs in brackets.

1. Humans _____(fuse) the power of moving water for more than 2,000 years.

2. I'll call you at 8 o'clock tonight. What ___ _____(you/do) then?

3. At present, global demand for energy_____(increase) rapidly.

4. Three years ago. we_____(install) a solar water heating system on our roof

5. What _____(happen) if non-renewable resources run out?

6. A small hydropower plant_____(build) on the river in ten years time.

7. If the electricity_____(make) from wind turbines, it is green.

8. Burning fossil fuels _____(emit) gases that are harmful to the environment.

9. We decided_____(invest) our time and effort on this new research project

10. You should avoid _____(use) cars or motorbikes for short trips.

VI. Write the correct form of the words in brackets.

1. Solar, win, and hydro are renewable and _____(exhaust)

2. Coal is also _____, there is a large reserve globally.(plenty)

3. The movement of waves and tides can be able to generate_____(electric)

4. Scientists are looking for clean and _____sources of energy.(effect)

5. Non-renewable sources are not _____friendly and can have serious effect on our health.(environment)

6. Natural gas is less _____than coal or crude oil(pollute)

7. Energy resources are often _____as renewable or nonrenewable, (category)

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8. Turning off electrical appliances when they are not m use is a great way to reduce energy_____(consume)

VII. There is one mistake in each sentence. Find and correct it.

1. The burning of fossil fuels is harmful for the environment and public health.
   A B C D
2. Solar energy can convert into other forms of energy, such as heat and electricity.
   A B C D
3. Solar power is by far the more popular renewable energy source.
   A B C D
4. Within ten years, people will be used less fossil fuel and more renewable energy.
   A B C D
5. Using solar energy instead fossil fuels can help reverse the effects of global warming.
   A B C D
6. Many people living in rural areas use biogas to cook and heating.
   A B C D
7. Wind power is clean, abundant, widely available, and environmental friendly.
   A B C D
8. One of the ways you can save energy in your home are to use energy saving light bulbs.
   A B C D

VIII. Write the questions for the answers.

What causes carbon emissions?
How can I reduce my carbon footprint?
How does carbon footprint affect us?
What“ is a carbon footprint?
How can I calculate my carbon footprint?

1. A:_____
   B: It is the amount of greenhouse gases - primarily carbon dioxide released into the atmosphere by human activities.
2. A:_____
   B: The burning of fossil fuels in the environment.
3. A: _____
   B: Carbon emissions contribute to climate change, which can have for humans and their environment.
4. A:_____
   B: You need to work out your energy use, water use and waste disposal.
5. A:_____
   B: Turn off lights, TVs, computers when you do not need them. Walk or ride your bike instead of using cars. Reduce the amount of trash you create by recycle and reusing items.

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IX: Choose the correct answers to complete the passage

CARBON FOOTPRINTS

Everybody has a carbon footprint - it's the(1)_____ of carbon dioxide we produce with any action or activity.(2)____ _____carbon dioxide contributes to 'greenhouse gases', our carbon footprints have a direct impact(3)_____the environment. You can estimate your carbon footprint on any number of popular websites: if it's (4)_____, then you're probably leading a relatively green lifestyle. But(5)_____happens if it's big?

Well, the answer is that you can(6)_____it. This modern answer to the problem is for people to contribute to balancing the negativeeffects of their actions by using (7)_____ fuels, recycling, reforestation and a number of other activities which are said to contribute to a lowering of (8)_____carbon dioxide.

1. a. number	b. quality	c. amount	d. period
2. a. As	b. Although	c. However	d. Due to
3. a. for	b. to	c. on	d. in
4. a. small	b. large	c. free	d. fine
5. a. when	b. what	c. why	d. how
6. a. replace	b. reuse	c. increase	d. balance
7. a. fossil	b. leaded	c. smoky	d. green
8. a. moving	b. lowering	c. rising	d. falling

X. Read the text carefully, then do the tasks.

SOLAR ENERGY

Sunlight carries huge amounts of energy. You can feel the Sun's energy when sunlight warms your skin on a summer day. To capture the Sun's energy, scientists have developed solar cells, called photovoltaic cells. These cells convert sunlight into electricity.

When sunlight hits a solar cell, some of the light energy is absorbed. This light energy causes the particles in the solar cell to move faster, and the movement of these particles creates electricity.

In some places, large panels of solar cells harvest sunshine to make electricity for homes and businesses. Solar cells have been placed on cars and appliances, too. Since the Sun sends abundant free energy streaming toward Earth 24 hours a day, people in many parts of the world, not just the sunniest places, have fixed solar cells and solar panels on the roofs of their houses or businesses to lower their energy costs.

Experts say that the huge installation of solar panels in sunny regions could generate enough electricity to supply an entire country. Capturing this energy can help overcome our **diminishing** energy supply. New ways to capture this energy are being developed all the time to maximize efficiency.

1. What is the source of solar energy?

a. sunlight
b. photovoltaic cells
c. solar panels
d. electricity

2. Solar cells are used_____

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a. to collect energy from the sun b. to provide sunlight to houses

c. to convert sunlight into electricity d. both a and c are correct

3. Which of the following statements is true?

a. Solar cells absorb all of the light energy from the sun.

b. The light energy causes the particles to move faster to make electricity.

c. Solar energy can be used to power homes and businesses only.

d. Large solar panels have been placed on cars and appliances.

4. As used in line 9, 'abundant' most nearly means _____

a. unlimited b. dangerous c. plentiful d. clean

5. Where have people fixed solar panels?

a. In the sunniest places b. Anywhere outside their houses

c. Inside their houses d. On the roofs of their houses

6. As used in line 14, 'diminishing' most nearly means _____

a. decreasing b. increasing

c. unending d. restoring

7. According to the passage, all of the following statements are true EXCEPT

a. the Sun produces a large amount of energy.

b. solar energy could provide enough electricity for the whole world

c. scientists are constantly developing new ways to capture the Sun's energy

d. people use solar energy to reduce their energy costs.

XI. Make sentences using the provided keywords.

1. Solar energy/ can/ use/ heat/ water/ homes.

_____

2. Within 20 years/ fossil fuels/ will/ replace/renewable sources.

_____

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3. This time next moth/ we/ will/ use/ solar power/ heating/ water.

_____

4. Fossil fuels/ limited/ and/ they / harmful/ the environment.

_____

5. Climate change/ cause/ the burning/ oil and coal/ in order/ produce energy.

_____

6. Last year/we/ fit/ solar panels/ our house/ provide/solar electricity.

_____

7. Every day/ we/rely/ energy/ provide/ us/ electricity, hot water, and fuel.

_____

8. electric cars/ more/ popular/ petrol cars/ the next 15 years?

_____

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