

UNIT 10

Lesson 3

Energy Sources



LESSON SUMMARY

Vocabulary



Word/Phrase	Meaning	Example
expert (n) /'ekspɜːrt/	someone who knows a lot about a particular thing	He is an expert on renewable energy.
mayor (n) /'meɪər/	the head of government in a city	She is the youngest mayor in the city's history.
current (adj) /'kɜːrənt/ → currently (adv)	happening in the present time	The current renewable sources of energy are not enough for the city.
suggestion (n) /sə'dʒestʃən/	something such as an idea or plan you talk about	The expert made a suggestion about using electric bicycles.
suggest (v) /sə'dʒest/	to talk about an idea or plan other people can think about	A scientist suggested using solar power.

Writing

An email to the mayor

1) Writing a subject line

2) Greeting the Mayor

3) Introducing yourself and telling why you are writing

4) Giving problems & solutions

5) Finishing the email with "Sincerely" and your full name.



To: mayorsalter@windrushsecondary.org

1) Subject: Change the energy we use

2) Dear Mayor Salter,

3) I am Susan Smith. I am a student at Windrush Secondary School. 4) I am writing about the polluted air in our city. Coal plants around the city provide the energy for our daily use. However, those plants pollute the air we breathe. Unless we stop using coal, the air will get more polluted. As a result, we can get more health problems. We should change to renewable energy such as wind power or solar energy. These energy resources are very eco-friendly. By doing so, we can make our city livable.

5) Sincerely,

Susan Smith



PRACTICE



Vocabulary

a. Complete the text using the words in the box.

Small Ville residents are worried that the 1) _____ energy supplies might run out shortly. That's why a(n) 2) _____ on renewable energy is visiting the town next week. He is going to have meetings with the 3) _____ at the town hall to 4) _____ a future energy plan. Hopefully, his 5) _____ will be helpful.

expert
current
suggest
mayor
suggestion

b. Complete the sentences using the words in the boxes. There is one extra word.

mayor

current

expert

suggestions

reasons

suggests

- 6 He wants to be a(n) _____ on renewable energy.
- 7 The _____ of the city visited our school last week.
- 8 The _____ photocopier is old. We need another one.
- 9 The council made a lot of _____ for saving energy.
- 10 He _____ that people should use eco-friendly vehicles on the roads.

Listening

a. Listen to a discussion about energy. Fill in each gap with NO MORE THAN TWO WORDS.

CD2
43

Solar power
Wind energy
Ground source heating
Hydropower

- ♦ use panels
- ♦ from 1) _____ to electricity
- ♦ low price
- ♦ generate electricity continuously
- ♦ 2) _____ to run
- ♦ produce noise
- ♦ use heat from 3) _____
- ♦ become popular
- ♦ not suitable in 4) _____
- ♦ from moving water to electricity
- ♦ safe and reliable
- ♦ affected by 5) _____

b. Listen again. Circle the correct options.

CD2
43

- 6 What is the main topic of the discussion?

A how people use energy in the future	B how people waste energy now
C how people produce energy in the future	D how people use energy at home
- 7 How many types of energy sources are mentioned in the discussion?

A 2	B 4	C 6	D 8
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- 8 Which of the following energy sources is NOT mentioned in the discussion?

A fossil fuels	B natural gas	C hydropower	D solar power
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- 9 Which kind of energy does the expert take as an example of how people use it?

A ground source heating	B solar power	C wind power	D hydropower
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- 10 Which of the following energy is NOT new?

A hydropower	B wind power	C solar energy	D hydropower
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a. Read the text about what makes a city green. Circle the best options.

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What makes a city green?

Saving the planet does not have to be difficult.

There are some suggestions for saving the Earth. For example, some experts suggest that we walk more and not use vehicles too often because carbon dioxide (CO₂) from those vehicles is harmful. However, it seems to be tricky for us to follow the advice. There are several easy and helpful things we can do at home to help save the environment.



Use fewer plastic containers.

Usually, plastic shopping bags or water bottles are single-use items. In other words, we can use those containers once only. They will end up in landfills when we finish using them, and will pollute the land over time. Try using reusable bags, cups, or water bottles next time.

Use less paper.

Paper tissues are cheap and easy to use while we are at home. However, paper production produces some gases that are harmful to the environment. We sometimes overuse them for a simple purpose. Try to use a cloth we can wash after use for our cleanup.

Avoid wasting water around the house.

It is not easy to know how much water we use every day. We also do not usually think about where our wastewater can arrive. The oceans seem to be the final destinations. So, use the water correctly and less wastewater will reach the seas.

- 1 The reason why some scientists advise using fewer vehicles is _____.
A to save money B to lose weight
C to reduce harmful gas D to reduce traffic
- 2 According to the text, following the advice of experts is _____.
A easy B difficult
C effortless D simple
- 3 Single-use items are things we can use _____.
A many times B more than once
C more than twice D once only
- 4 According to the text, plastic bags, cups, or water bottles can _____.
A end up in garbage dumps B make a change to the sea area
C kill some sea creatures D make the beach dirty
- 5 According to the text, reusable items are things we can use _____.
A once only B no more than once
C once or twice D on one occasion only

b. Read the text again. Write **Y** (yes), **N** (no) or **NG** (not given).

- 6 Paper tissues are expensive and tricky to use.
- 7 It is expensive to produce paper.
- 8 It is hard to measure the amount of water for everyday use.
- 9 The wastewater will end up in the oceans.
- 10 We can save the Earth by reducing household wastewater.



Speaking

Complete the conversation using the sentences in the box.

- Sam We are using a lot of coal and oil for energy in our city.
 Kate Yeah, you're right. 1) _____. They will run out one day.
 Sam But it is very freezing cold in the winter months.
 Kate 2) _____.
 Sam That's a great idea. But it isn't windy in the area.
 Kate 3) _____.
 Sam Solar panels produce less energy than natural gas.
 Kate 4) _____.
 Sam Yeah, you're right. They are causing pollution in the city.
 Kate 5) _____.
 Sam Okay. It's a good topic.

- A Why don't we use solar energy?
 B How about wind power?
 C But like coal and oil, natural gas can cause a lot of pollution.
 D Let's talk about renewable energy sources in class tomorrow.
 E We need to use less coal and oil.



Writing

a. Complete the sentences in an email using the prompts.

- 1 I / write / about / air pollution / in our city. _____
 2 I / would like / suggest / ways / make / the city / more eco-friendly. _____
 3 Power from oil / be / expensive / and / cause / a lot of pollution. _____
 4 I think / we / should / change / solar power. _____
 5 This / will / reduce / air pollution / and / save / our money. _____

b. Write an email to the mayor to talk about a problem with current energy use in your town.
 Write 60-80 words or more.

New message

OK

In my writing,
 I use correct...

- vocabulary ☐
- grammar ☐
- spelling ☐
- punctuation ☐
- linking words ☐



Answer key



- Vocabulary ____/20 pts.
- Listening ____/20 pts.
- Reading ____/20 pts.
- Speaking ____/10 pts.
- Writing ____/30 pts.

★★★★★
 Total ____ / 100 pts.