



ECOLOGY & ENERGY

Vocabulary • Clean Energy & Our Planet



A

Look, read and match.

Choose the correct word from the box.

hydropower • sustainable • fossil fuels • wind turbine
 natural resources • solar panel • global warming • renewable energy
 landfill • energy-efficient • solar power • carbon emissions



energy that comes from the sun



a machine that uses wind to produce electricity



the long-term rise in the Earth's average temperature



able to continue without harming the environment or future resources



energy from sources that can be naturally replaced



fuels formed underground over millions of years



a device that collects energy from sunlight



useful materials that come from nature



able to do the same job using less energy



a place where large amounts of waste are buried



gases released into the air that contain carbon



electricity produced using moving water

B

Vocabulary Review

Complete the sentences with the correct words from the box.

- Coal, oil and natural gas are examples of _____.
- Energy from sources that can be naturally replaced is called _____.
- A home that uses less electricity can be described as _____.
- Water, forests and minerals are important _____ that we need to protect.
- Using clean energy and producing less waste can help us live in a more _____ way.
- Rubbish that cannot be recycled may be taken to a _____.
- Burning fossil fuels produces _____ that contribute to climate change.
- The long-term rise in the Earth's average temperature is called _____.

- energy-efficient
- global warming
- landfill
- natural resources
- carbon emissions
- sustainable
- fossil fuels
- renewable energy

Present Simple Passive: am / is / are + past participle

Example: Solar energy **is collected** by solar panels.

A Complete the sentences with the correct passive form of the verbs in brackets.

- | | |
|--|---|
| <p>1 Electricity _____ from sunlight by solar panels.
(produce)</p> <p>2 Wind turbines _____ to generate clean electricity.
(use)</p> <p>3 A large amount of energy _____ in modern homes every day.
(consume)</p> <p>4 Natural resources _____ for many different purposes.
(use)</p> | <p>5 Some household waste _____ to landfill sites.
(take)</p> <p>6 Trees _____ in many cities to improve air quality.
(plant)</p> <p>7 Renewable energy _____ from sources such as wind, water and sunlight.
(generate)</p> <p>8 Recyclable materials _____ into new products.
(turn)</p> |
|--|---|

B Put the words in the correct order to make passive sentences.

- | | |
|---|---|
| <p>1 in many cities / are / electric buses / used / for public transport
_____</p> <p>2 is / by trees / carbon dioxide / from the air / absorbed
_____</p> <p>3 in special areas / are / endangered animals / kept safe
_____</p> <p>4 to reduce waste / are / reusable bags / in many shops / sold
_____</p> | <p>5 in large tanks / for use in gardens / rainwater / collected / is
_____</p> <p>6 are / from recycled paper / many notebooks / made
_____</p> <p>7 is / during the day / unnecessary lighting / in some offices / switched off
_____</p> <p>8 to protect sea life / are / plastic bags / in some places / banned
_____</p> |
|---|---|

• Passive Voice •

Present Simple Passive: am / is / are + past participle

Example: Solar energy **is collected** by solar panels.

A Change the active sentences into the passive.

1 EXAMPLE

People use solar energy to heat water.

→ Solar energy is used to heat water.

- 2 Many factories don't recycle certain types of waste. _____
- 3 Local communities protect this forest. _____
- 4 Some supermarkets don't use plastic bags anymore. _____
- 5 Recycling centres separate glass bottles by colour. _____
- 6 This school doesn't use much electricity. _____
- 7 Many families reuse old containers at home. _____
- 8 Some farms don't use chemical pesticides. _____

B Complete the eco article with the correct passive form of the verbs in brackets.



Small Changes, Big Difference



Every day, a huge amount of waste ¹ _____ (produce) in homes around the world. Fortunately, many materials ² _____ (recycle) and used again. In some communities, plastic bags ³ _____ (not allow) in local shops, and reusable bags ⁴ _____ (encourage) instead.

Clean energy is important too. More electricity ⁵ _____ (generate) from renewable sources, and energy-efficient lights ⁶ _____ (use) in many homes and schools. However, not everything ⁷ _____ (do) correctly. In some places, recyclable waste ⁸ _____ (not separate) from ordinary rubbish.

