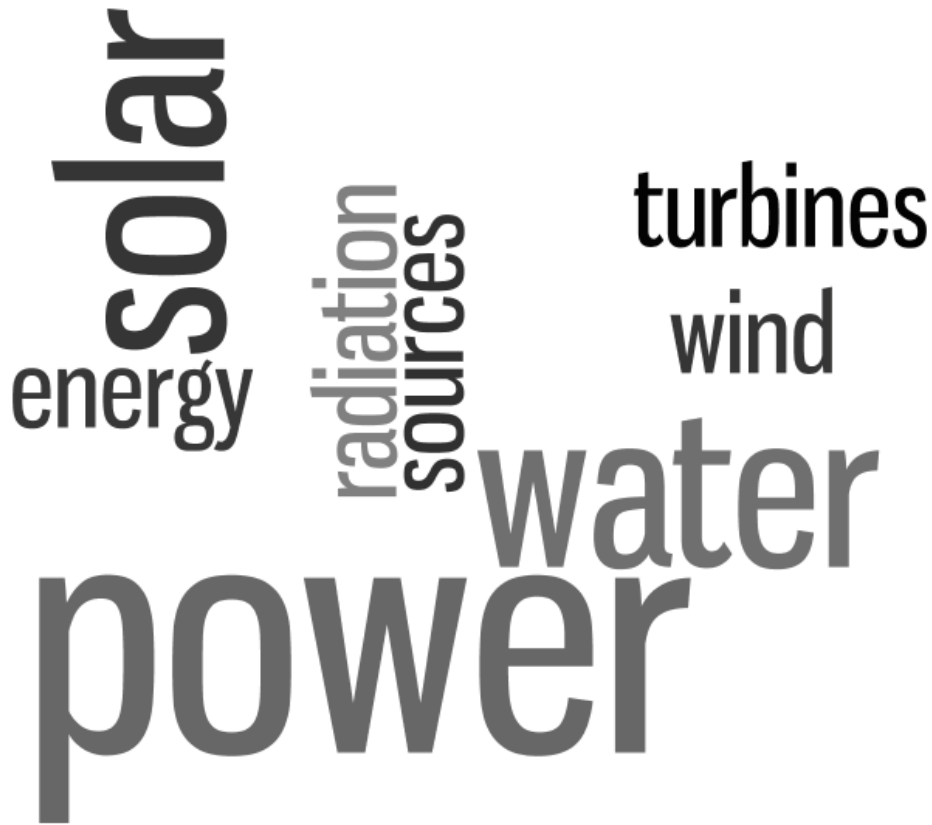


## ELEMENTS OF RENEWABLE ENERGY

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### 1. Word cloud

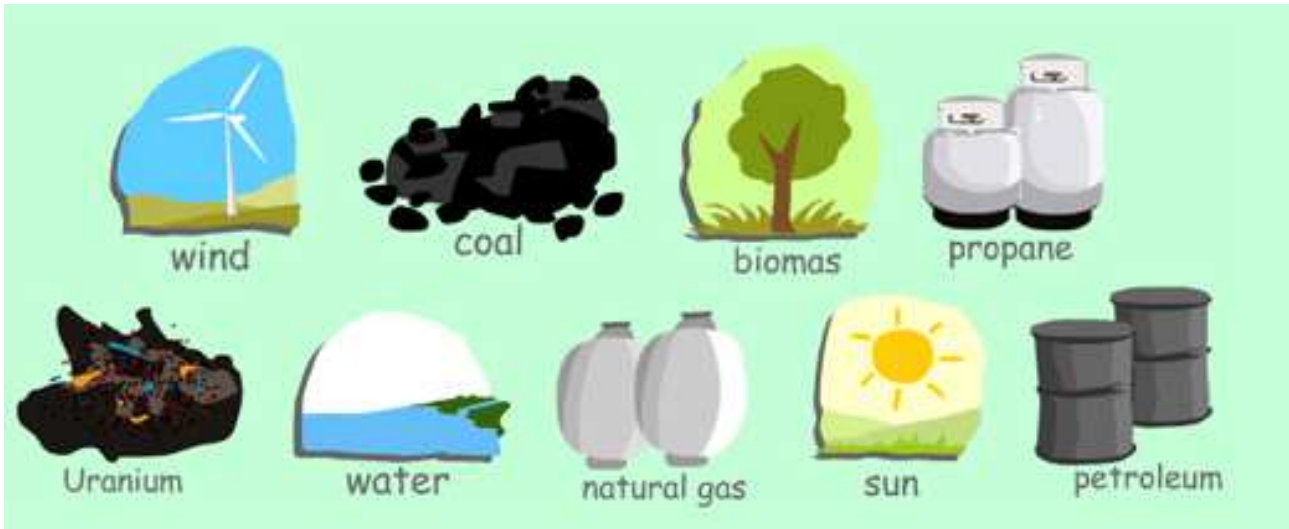
The word cloud contains ‘noun collocations’. The cloud gives greater prominence to words that appear more frequently.

1. Look at the cloud and find as many noun collocations as possible.
2. Record the collocations below

e.g.

- Solar power
- 
- 
- 
- 

What do you notice about the stress pattern? Is the first or second noun in the collocation stressed?



## 2. What is renewable energy?

- Listen to the teacher explanation and watch the video.
- Read the text below and fill the gaps using the words below
- Answer the open questions below

Renewable energy is energy that is generated from .....processes. This energy cannot be..... and is constantly renewed.

It is generally defined as energy that is collected from resources which are naturally .....on a human....., such as sunlight, wind, rain, tides, waves, and geothermal heat.] Renewable energy often provides energy in important areas such as .....and air and water heating/cooling,

timescale – replenished – natural - electricity generation - exhausted

1. Which sources are renewable?

2. What are the synonyms used in the video for renewable energy?

3. Which sources aren't renewable?

4. What are the synonyms used in the video for nonrenewable energy?

### 3. Direct solar energy. Indirect solar energy

In pairs, your teacher will give you a card each, which you will need to read carefully and check unknown vocabulary in the dictionary. Underline the **adjective - noun collocations** and also check these in a dictionary. Do not show your card to anyone else. Complete the question table by your own words and then exchanging information with the other member of your group. Compare your completed tables with another group to check your answers.

Question	Answer
1. How could you define direct solar energy?	
2. How could you define indirect solar energy?	

### 4. Energy definitions and concepts

True and False. Complete the table below.

• The scientific unit of power is the joule.	T	F
• power is a synonym for energy		
• power is the rate at which energy is converted from one form to another		
• The scientific unit of energy is the watt.		
• Energy is the capacity to move an object against a resisting force.		