

## What is lightning?



### 1. Word cloud.

The word cloud contains 'noun collocations'.

1. Read the words in the cloud and guess the lesson theme. Check with your teacher.
2. Look at the cloud and find as many noun collocations as possible.
3. Watch the video and check your answers.
4. Record the collocations below.

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e.g. **Water droplets**

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What do you notice about the stress pattern? Is the first or second noun in the collocation stressed? Mark the stressed syllable as shown in the example.

**2. Collocations.**

Make more collocations with the words **electricity** and **water**. Use a **dictionary** to help you. Choose four of the new collocations and make a sentence with each.

<p><b>electricity</b></p> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> </div> <div style="margin-right: 10px;"> <p><i>cable</i></p> </div> </div>	<p><b>water</b></p> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> </div> </div>
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E.g. *An old electricity cable can cause electric shocks!*

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- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**3. The balloon experiment.**

Read the text below and fill the gaps using the words below. Watch the balloon experiment in the video *Electricity and lightning workshop: what is lightning?* and check your answers.



**causes                      allows                      static                      cloud                      air**  
**makes                      ground                      frictional                      charge                      hair**

Rub the balloon on your shirt and hold it above your ..... Your hair will stick to the balloon and stand up. This is called ..... electricity. The same..... force is being made in a storm..... The separation of charge.....the air to break down. This process is known as ionisation, which ..... the .....more conductive, and .....electrical..... to flow from the cloud to the .....

#### 4. Information exchange.

In groups of four. Your teacher will give you a storm card 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 exchanging information with other members of your group. Compare your completed tables with another group and then watch *Electricity and lightning workshop: what is lightning?* (1:00-2:40) to check your answers.

Question	Answer
1. How is an <b>electric field</b> created in a storm cloud?	
2. What is the process of <b>ionisation</b> ?	
3. What is a <b>positive streamer</b> ?	
4. What makes an <b>electric current flow</b> ?	