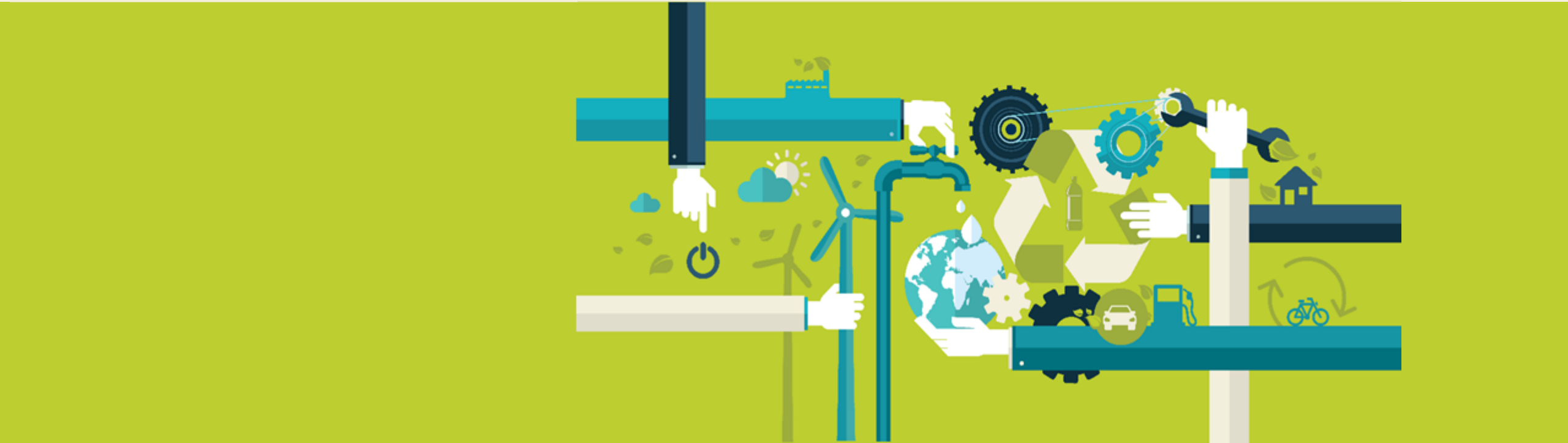


# Raw and Synthetic Materials

YEAR THREE

AUTUMN 2



# LESSON FIVE

*What is recycling and why is it important?*

Remembering your learning on how paper is made, answer these retrieval questions on p.20



### Do Now – Retrieval Practice

Put them in the correct order using numbers 1-5

1) Put each of the following steps in order to show how paper is made:

\_\_\_\_\_ The flattened paste is dried and cut to make paper

\_\_\_\_\_ Wood chips are boiled with water to make a paste

\_\_\_\_\_ The trees are chopped up into wood chips

\_\_\_\_\_ Paste is squeezed and flattened to remove water

\_\_\_\_\_ Trees are cut down and stripped of their bark

2) What is added to the paste to make the paper white?

B \_\_\_\_\_ is added to make sure the paper is white.

3) What is added to the paste to make the paper coloured?

C \_\_\_\_\_ d \_\_\_\_\_ is added to the paper to make it coloured.



Watch the video to help us understand what recycling is

Write down any key information from the video on some paper.



<https://www.youtube.com/watch?v=VIRVPum9cp4>



## Read the following passage about recycling

**Recycling** is a process of collecting and reusing materials to make new synthetic materials. This is important for a number of reasons. One reason for this is that raw materials that come from the ground will eventually be used up. Raw

materials that come from living things can be replaced but it uses up a lot of energy and money to grow and collect these materials. As a result, it is better to **re-use old materials** to save energy and money.



Using the text we read,  
fill in the missing words.

p. 21



### 3. What is recycling?

Recycling is a process of c\_\_\_\_\_ and re\_\_\_\_\_ materials to make new synthetic materials.



### 4. Why do we want to avoid using raw materials too much?

Eventually, raw materials will be u\_\_\_\_\_ u\_\_\_\_\_ and they cannot be replaced.





Discuss with your learning partner what this text has highlighted.

Another important reason to avoid too many raw materials is that it can destroy natural habitats where a range of organisms live. Cutting up woods can leave many living creatures without a home.



If oil is spilled after it has taken from the ground, it can kill birds and sea life.



Answer the question on p.21



**5. What is another reason using a lot of raw materials can be a bad thing?**

Getting raw material can d\_\_\_\_\_ natural habitats.





## Continue reading about recycling

Underling the important  
information within this text.



### **The final big problem is waste.**

When we throw things in the bin and do not recycle them, these things are often taken to big areas of land called landfills. Many landfills are getting full up from the amount of rubbish that has been thrown away so we may run out of places to put our rubbish.

Also, this rubbish can pollute the environment, making it harder for many living things to survive.

Answer the question on p.22



**6. What is a landfill and what may happen if we keep using them?**

Landfills are big areas of land where rubbish is taken to. We may run out of space to put rubbish.



**What does the symbol mean? Do you recycle at home?**



# What do you recycle?

Is there anything you recycle at home or in school?



Look at the examples of materials that can be recycled that your teacher is showing you – what happens to each one?



Plastic bottles can be  
m\_\_\_\_\_ to be re-  
made into new p\_\_\_\_\_.



Paper can be cut up and  
made into p\_\_\_\_\_ to be  
made into new p\_\_\_\_\_.



Glass can be c\_\_\_\_\_ and  
m\_\_\_\_\_ to be made  
into new gl\_\_\_\_\_.



Old metal can be  
m\_\_\_\_\_ and re-formed  
into new m\_\_\_\_\_ objects.



Put 'a', 'b' or 'c' next to each picture to match up the reasons for recycling with the pictures that show the problems that we face.

- a) We will run out of raw materials
- b) We are using up space
- c) We are destroying habitats



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_





**Why do we have to separate out different types of recycling if we want to be able to recycle some parts of the waste?**





**Answer the following question in a couple of sentences:**

*What is recycling and why is it important?*

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