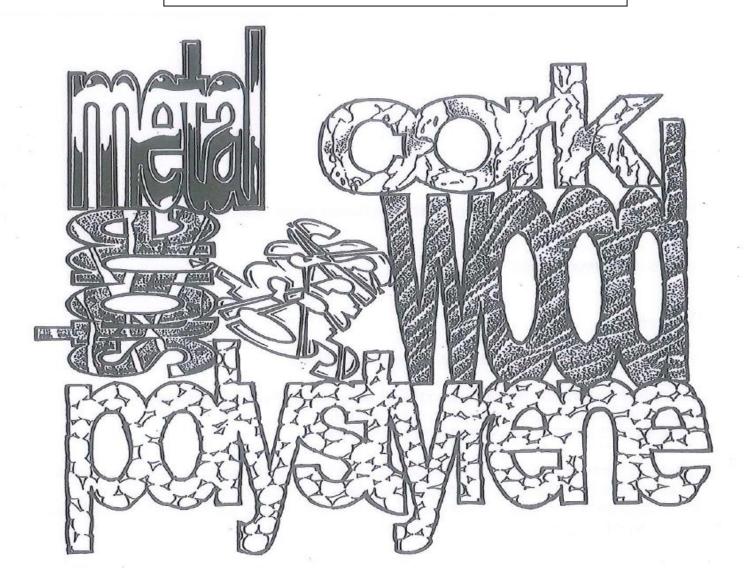


# MATERIALS AND THEIR USES



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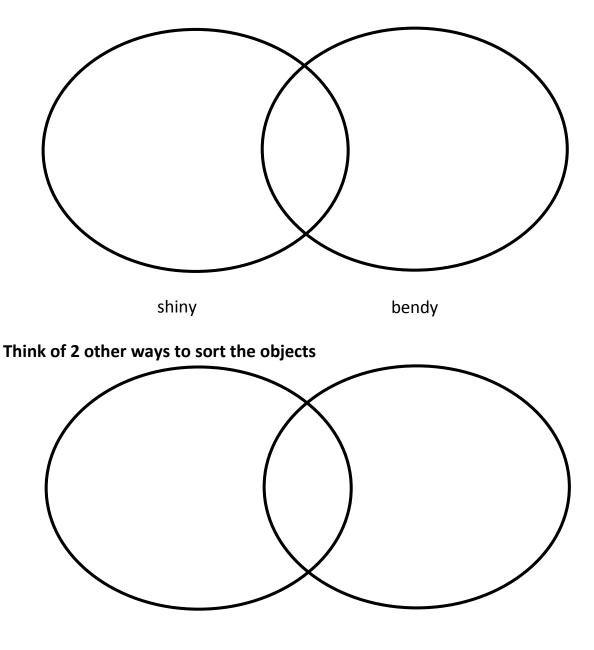




Name:\_\_\_\_

# Sorting into sets

Collect 10 items and sort them into the following sets:



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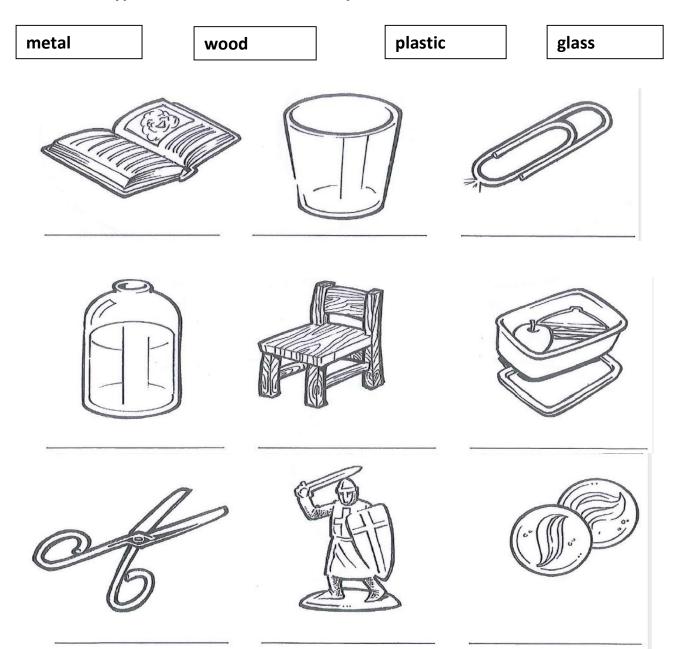


Materials and their uses

Name:

# What are they made of?

Write the type of material under each object.



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Name:\_\_\_\_\_

# Magnetism

Find out if the objects are attracted to magnets.

	I think it will be attracted to a magnet	It was attracted to a magnet	I was right or wrong
Object	YES / NO	YES / NO	v or X

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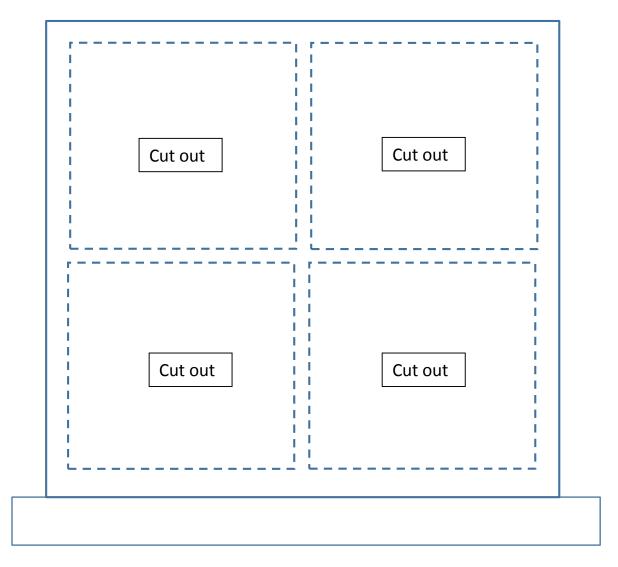




Name:\_\_\_\_\_

# Windows

Cover the four parts of the window with four different materials. You could use: Kitchen roll. Polythene, tissue paper, cling film, acetate.



Hold your window frame up to the light and look through it. Which windows can you see through?

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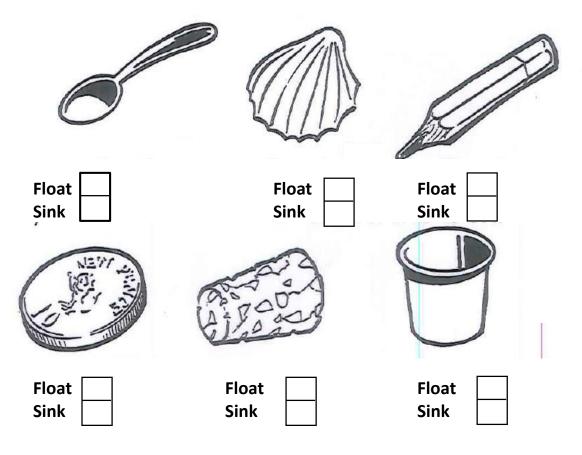


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Name:\_

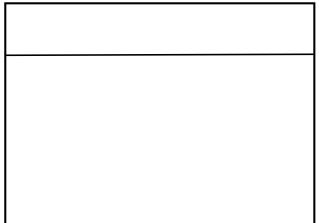
# **Floating and Sinking**

Collect these materials. Guess whether they will float or sink and tick the box.



#### Which things floated? Draw them here

#### Which things sank? Draw them here

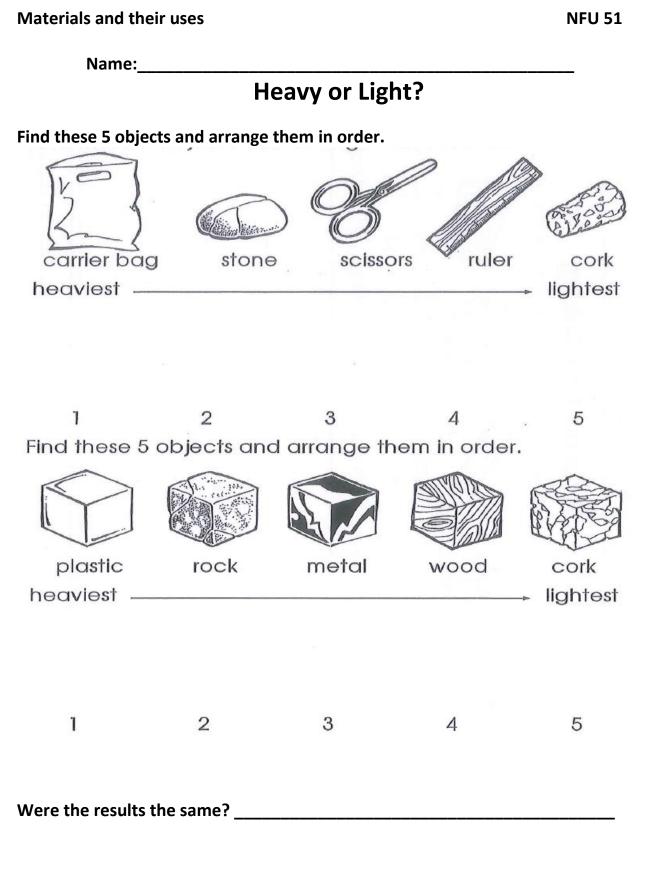


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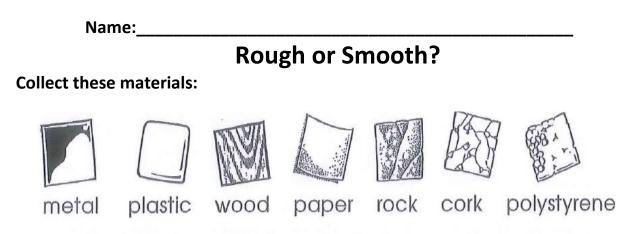
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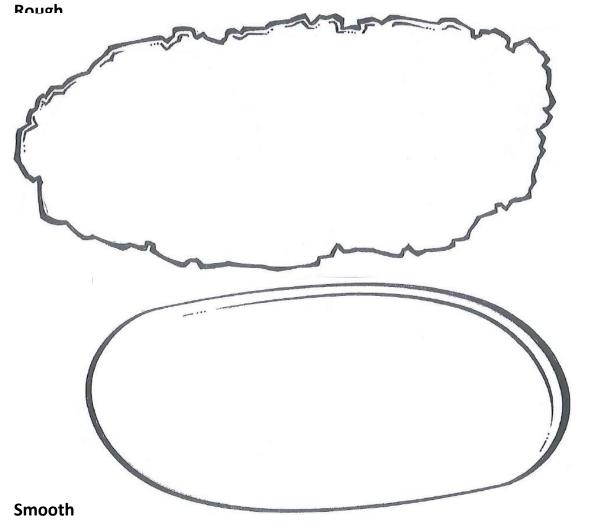




Materials and their uses



# Touch each material. How do they feel? Sort them into ROUGH and SMOOTH materials.



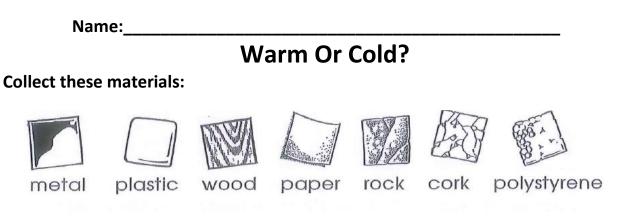
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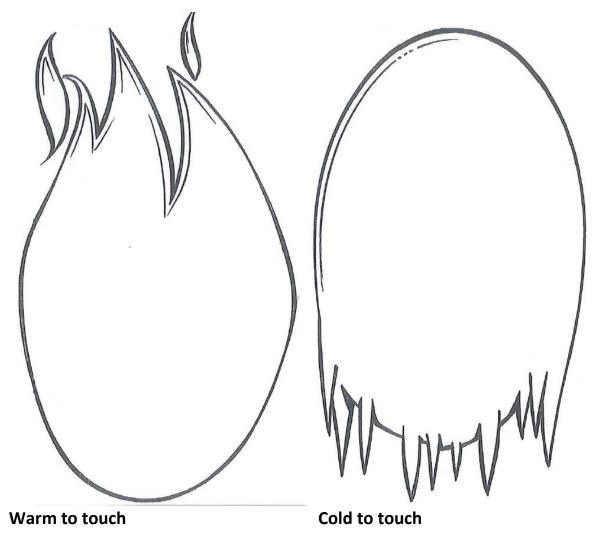
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# Touch each material. How do they feel? Sort them into materials which are cold or warm to touch.



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Materials and their uses

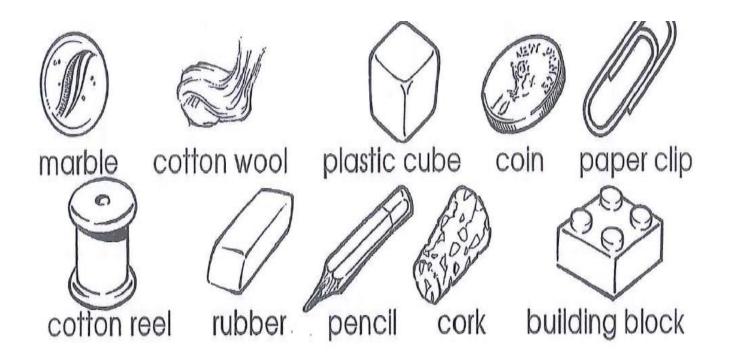
Name:\_\_\_

Feely box

Use a cardboard box which is large enough for you to put your hand in. Cut a hole in one side of the box. Paint or cover your box in a bright colour.

Decorate your box with shapes, card, paper, wool etc.

Collect some objects to put into your box, such as:



Invite a friend to feel the objects and guess what they are – without taking the object out of the box!

Materials and their uses

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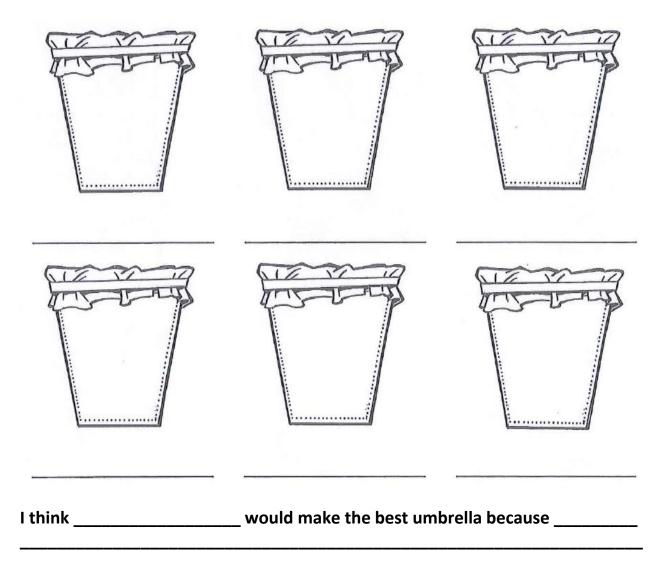
Name:\_\_\_

# Umbrellas

Which material would make the best umbrella? Collect some material such as:

*Tissue paper, plastic bag, kitchen roll, fabric, paper, acetate sheet, blotting paper.* 

Secure them with an elastic band over a clear container. Pour on some water and watch what happens. Draw your results below.



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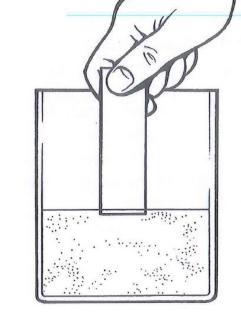
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Materials and their uses

Name:\_



- 1. Collect some materials such as kitchen roll, writing paper, plastic bag, blotting paper, tracing paper.
- 2. Cut a strip from each, ensuring they are all the same size. Put some water in beakers – make sure they all have the same level.
- 3. Dip each strip on the surface of the water for the same length of time.



#### Now measure how far up the strips of paper the water has travelled.

Material	How far the water soaked up cm		
Kitchen roll			
Writing paper			
Tracing paper			
Plastic bag			

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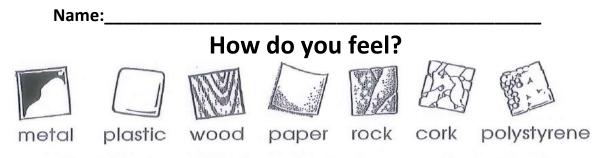
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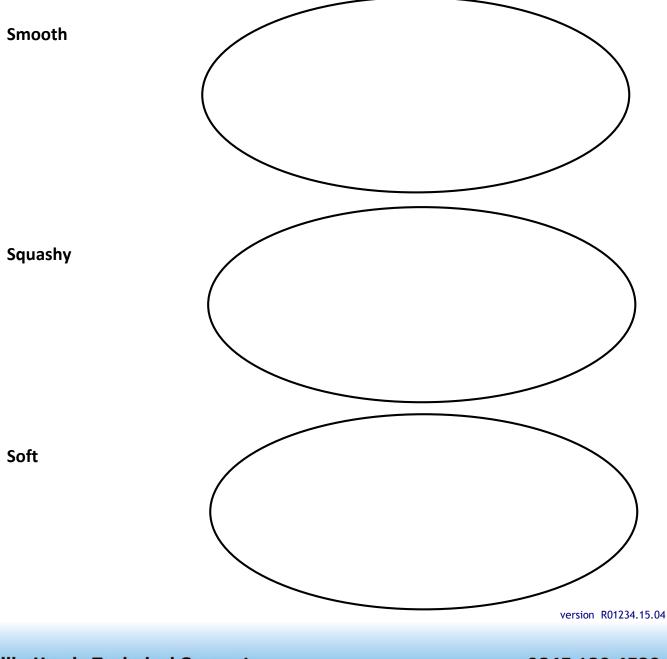
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Materials and their uses



Touch each material. How do they feel? Sort them into sets. Some may go in more than one set. Some may not belong in any.



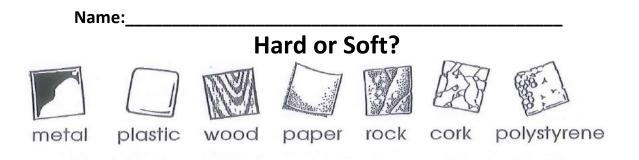
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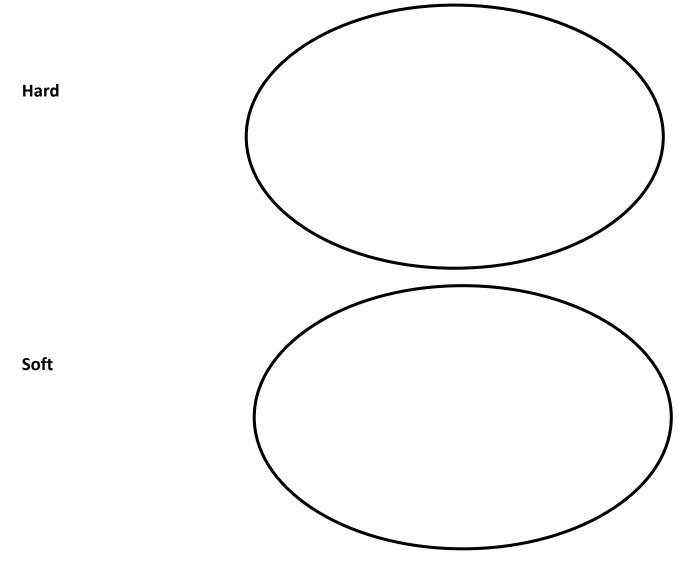
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Touch each material. How do they feel? Sort them into materials which feel HARD or SOFT.



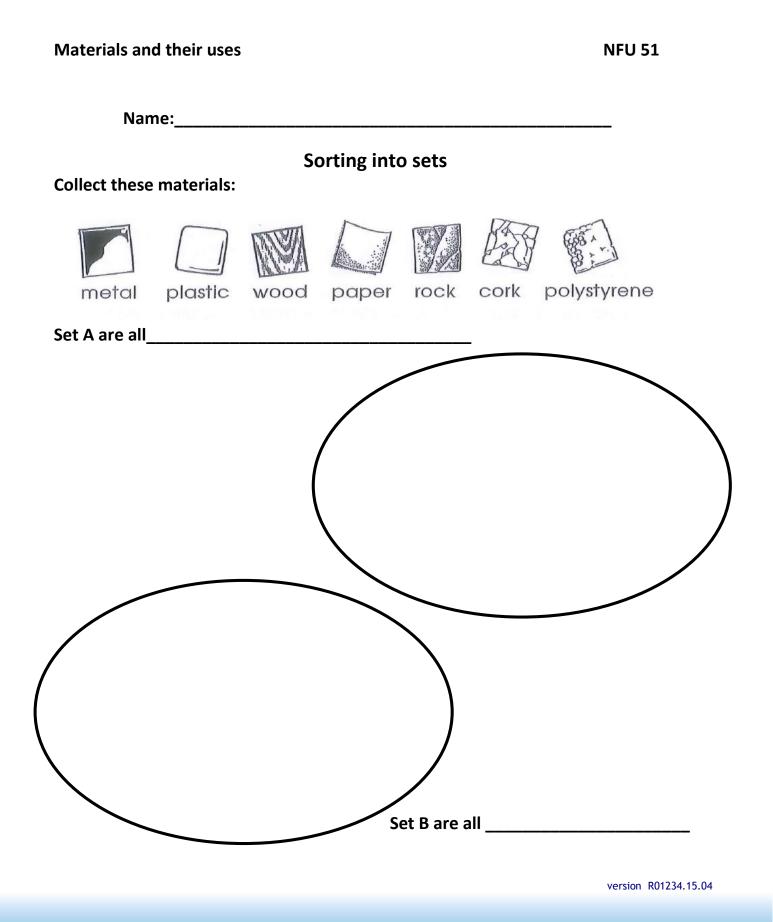
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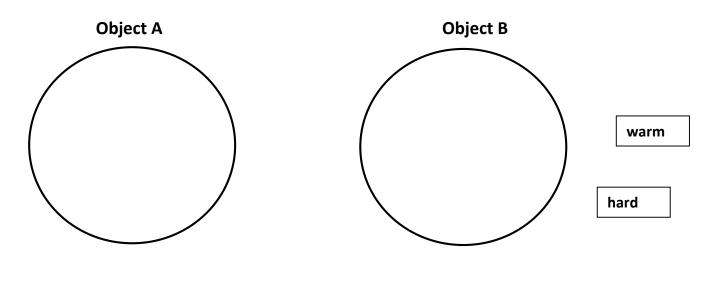




Name:\_\_\_\_\_

# **Similar or Different?**

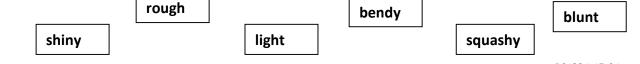
Choose 2 objects that are made from different materials. Draw them here:



Examine your objects to see how they are similar and how they are different.

They are both	
They are both	
They are both	smooth

Only object	is	 	
Only object	is	 	
Only object	is	 [	sharp
		-	



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Cold

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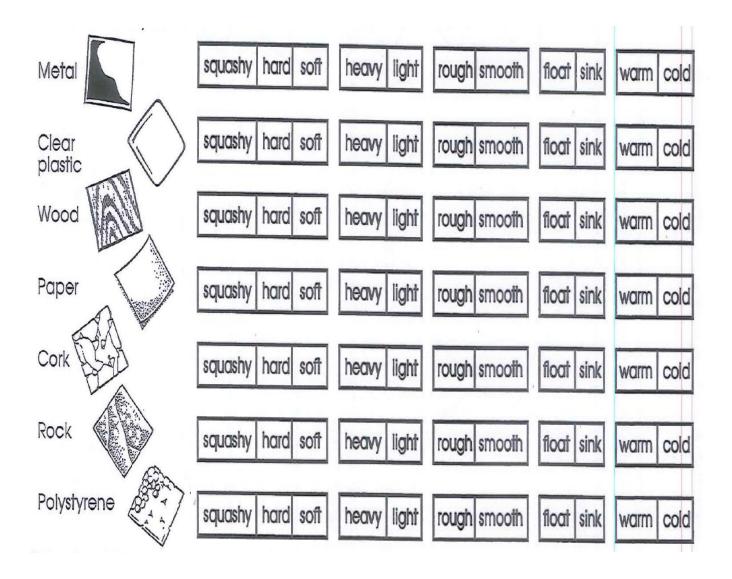
Materials and their uses



**NFU 51** 

Name:\_\_\_

What have you learned about these materials? Colour the correct boxes:



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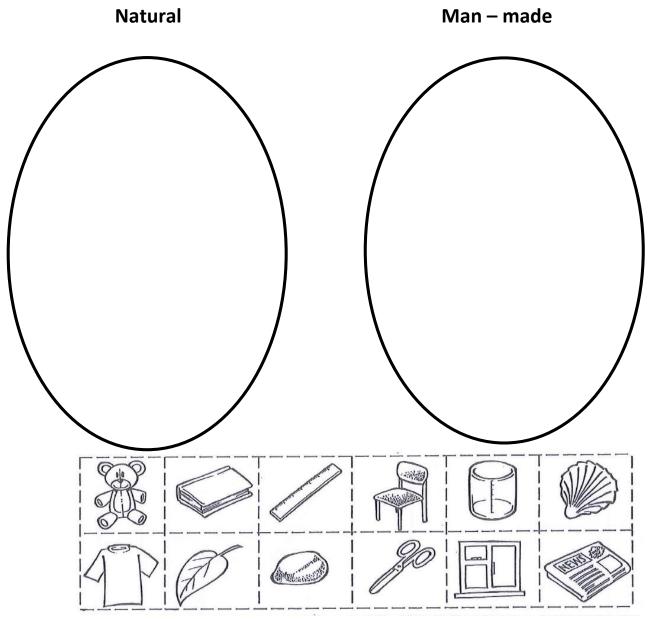
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Name:

# Man – made or Natural?

Colour the objects at the bottom of the page and cut them out. Which objects have been made from NATURAL or MAN MADE materials? Stick them into the correct set below.



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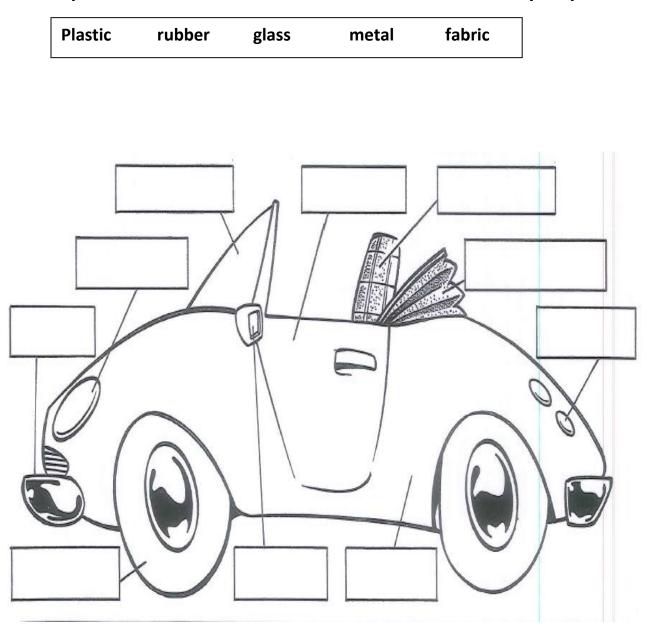




Name:\_\_\_\_\_

# What is it made of?

### Label the picture with the correct materials? These words may help:



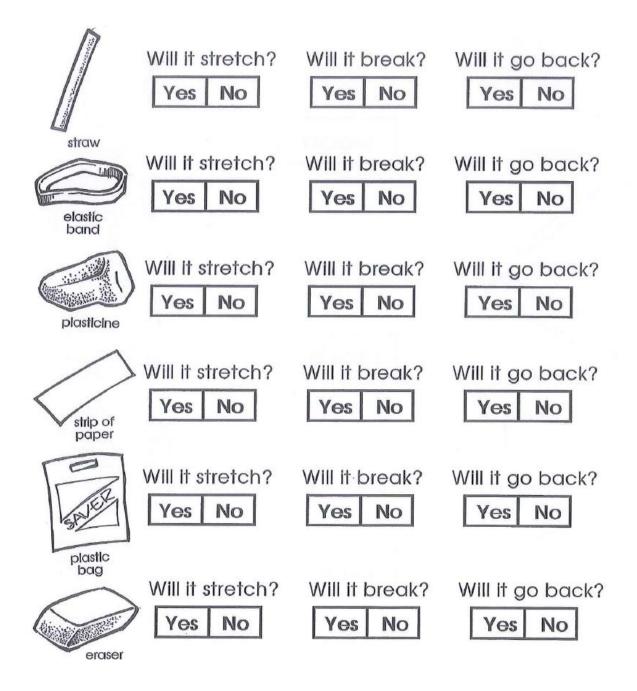
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Name:\_

# Look at these objects. Carefully stretch them.



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Materials and their uses

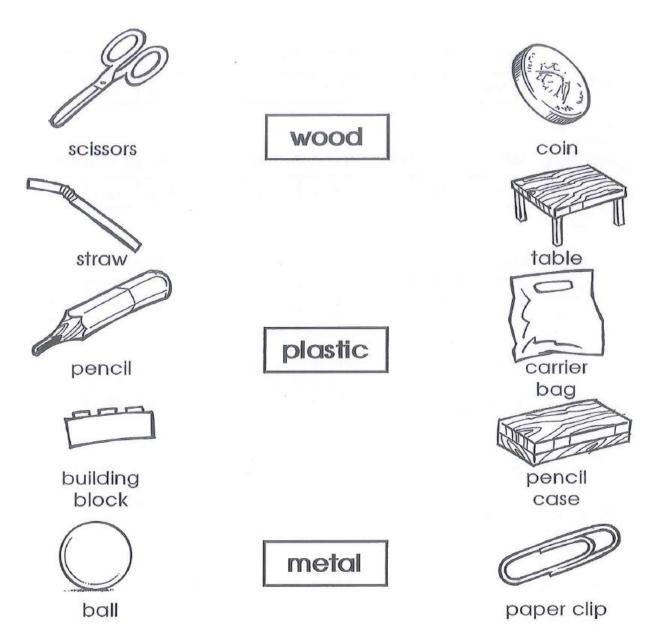


**NFU 51** 

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# What are they made from?

Join the object to the material it is made from.



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