

## Year 2: SCIENCE - UNIT 4 - USES OF MATERIALS

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1. Join the material to an item that can be made from the material and then to its properties.

metal	table	gets hot easily, easy to clean
fabric	t-shirt	transparent and waterproof
plastic	toy bricks	soft and stretchy
wood	window	hard and strong
glass	pan	strong, can be chopped into different shapes

2. Which material would be suitable for a towel?

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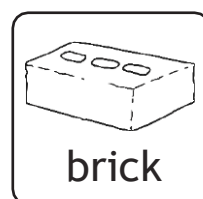
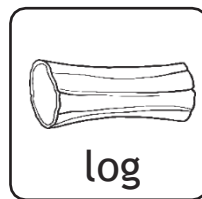
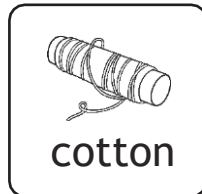
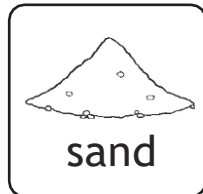
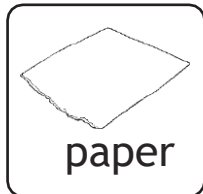
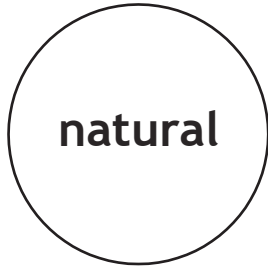
List two properties to explain why you have chosen this material.

1. \_\_\_\_\_
2. \_\_\_\_\_

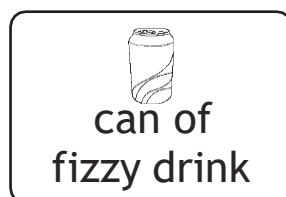
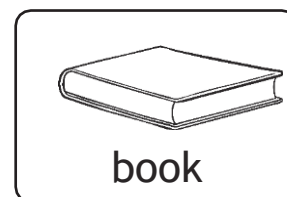
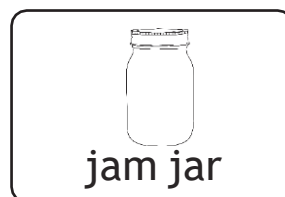
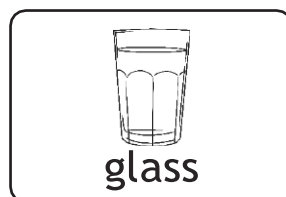
3. Tick **three** materials that would be **most suitable** for making a **spoon**.

wood      plastic      glass      fabric      metal      rubber

4. Sort these objects into natural and man-made. Draw lines from the objects to the words natural and man-made.



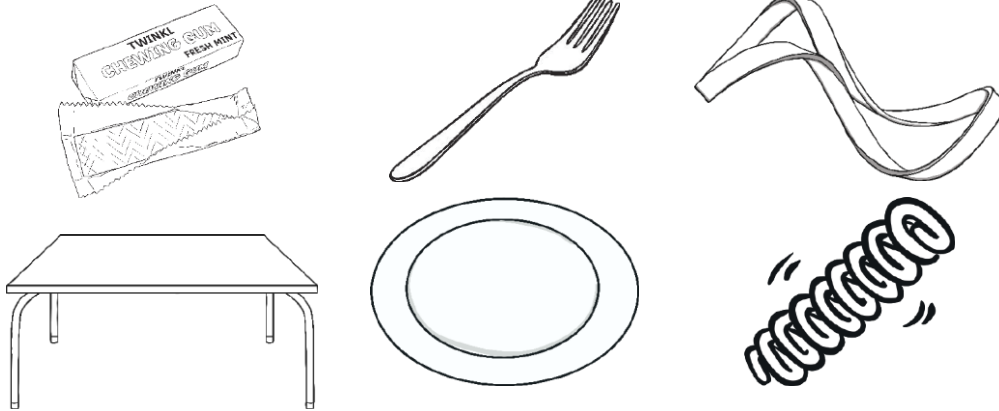
5. Sort these objects into the correct bins by drawing a line.



6. Tick **three** materials that would be **most suitable** for making a drinking bottle?

plastic      glass      paper      wood      metal      fabric

7. Circle the **three** items that can be stretched:



8. These shoes are made out of leather.



Give two reasons why leather is a good material for making shoes:

1. \_\_\_\_\_
2. \_\_\_\_\_

/3

/3

/2

Total for this page

9. Draw a line to match each object with the material they are made from.



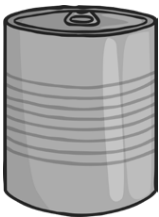
plastic

fabric

metal

wood

10. Circle **three** objects that are made from metal.



2

2

Total for this page

11. Look at these five materials.

wood

metal

plastic

fabric

glass

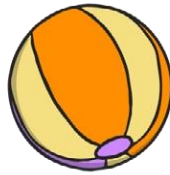
Choose which material you would use for the following objects.



jumper



ring



ball



door



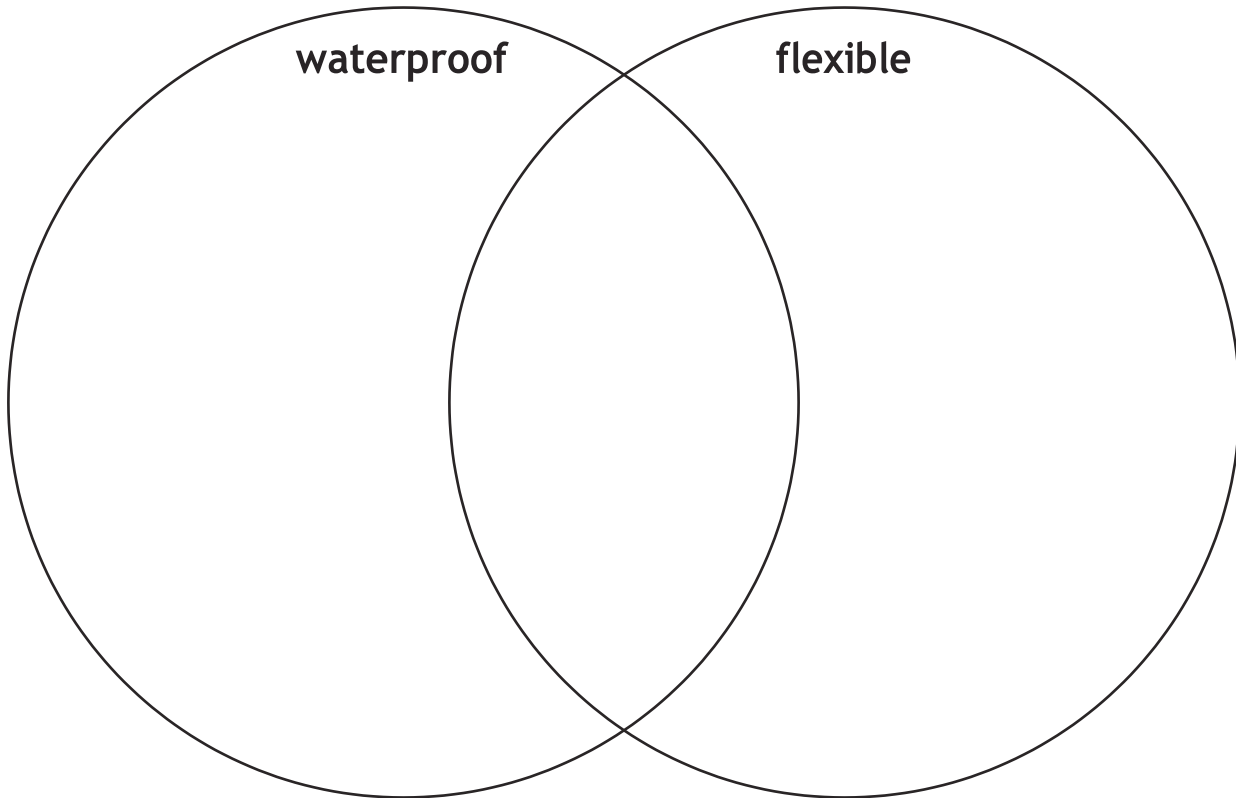
window

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12. Place these materials correctly in the venn diagram.



plastic bag   glass bottle   fabric dress   ceramic mug   metal bridge



13. Look at the venn diagram above. Which material do you think would be best to make a winter hat?

Explain your choice

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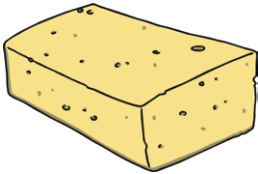
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14. Match the following



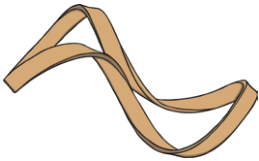
cushion



sponge



rock



rubber band

absorbent

flexible

hard

soft

15. Complete the following table.

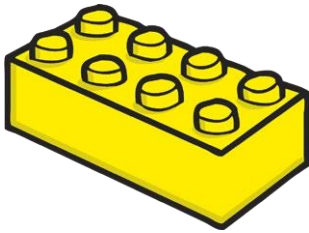
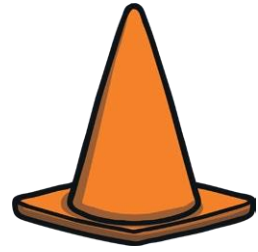
	true	false
plastic is waterproof	✓	
glass is not flexible	✓	✓
metal is hard	✓	
metal is transparent		✓

2

2

Total for this page

16. Join each object to one made from the same material.



3


4

Total for this page



# Everyday Materials ANSWERS

question	answer	marks	notes		
1. Join the <b>material</b> to an <b>item</b> that can be made from the material and then to its <b>properties</b> .					
		10	1 mark for every correct answer		
2. Which material would be suitable for a towel?					
	fabric Choose from the following options: soft stretchy absorbent Accept other suitable answers.	3	1 mark for correct material 1 mark for each correct property		
3. Tick three materials that would be most suitable for making a spoon:					
	wood plastic metal	3	1 mark for each correct answer		
4. Sort these objects into natural and humanly-constructed. Draw lines from the objects to the words natural and humanly-constructed.					
	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>natural</b>            sand            log            cotton         </td> <td style="width: 50%; vertical-align: top;"> <b>humanly constructed</b>            plastic bottle            brick            paper            metal            ring            chalk         </td> </tr> </table>	<b>natural</b> sand log cotton	<b>humanly constructed</b> plastic bottle brick paper metal ring chalk	8	1 mark for each correct answer
<b>natural</b> sand log cotton	<b>humanly constructed</b> plastic bottle brick paper metal ring chalk				

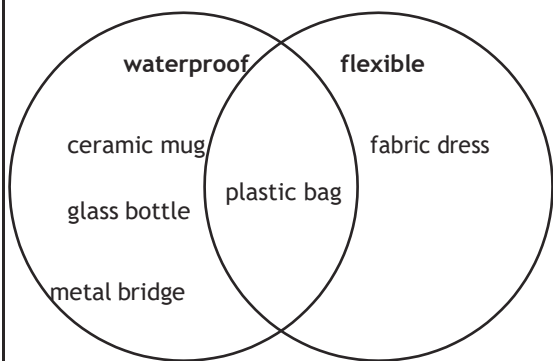
5. Sort these objects into the correct bins. plastic glass fabric ceramic metal			
	paper and card bin - newspaper and book glass bin - glass and jam jar plastic bin - plastic bottle and milk bottle can bin - tin of baked beans and can of fizzy drink	8	1 mark for each correct answer
6. Tick <b>three</b> materials that would be <b>most suitable</b> for making a spoon:			
	plastic glass metal	3	1 mark for each correct answer
7. Circle the <b>three</b> items that can be <b>stretched</b> :			
	chewing gum elastic band spring	3	1 mark for each correct answer
8. These shoes are made out of leather. Give <b>two</b> reasons why leather is a good material for making shoes:			
	Choose from the following options: waterproof flexible bendy sturdy strong Accept other suitable answers.	2	1 mark for each correct answer
9. Draw a line to match each object with the materials they are made from.			
	 <p>metal wood fabric plastic</p>	2	0 marks for 0-1 correct 1 mark for 2-3 correct 2 marks for all 4 correct
10. Circle three objects that are made from metal.			
	bucket scoop tin	2	2 marks if all correct (1 mark if 2 are correct with 1 error)

**11. Look at these five materials.**

**Choose which material you would use for the following objects.**

	<b>jumper - fabric</b> <b>ring - metal</b> <b>ball - plastic</b> <b>door - wood</b> <b>window - glass</b>	<b>5</b>	<b>1 mark for every correct answer</b>
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12. Place these objects correctly in the venn diagram.



5

1 mark for every correct answer

13. Look at the venn diagram above. Which material do you think would be best to make a winter hat? Explain your choice.

fabric. Within the explanation there should be reference to being soft/flexible.

2

1 mark for the chosen material and 1 mark for correct explanation

14.



**absorbent**



**soft**



**hard**



**flexible**

15.

	true	false
plastic is waterproof	✓	
glass is not flexible	✓	✓
metal is hard	✓	
metal is transparent		✓

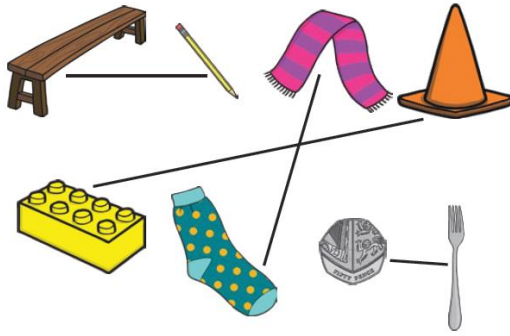
2

0 marks for 0-1 correct

1 mark for 2-3 correct

2 marks if all 4 correct

16. Join each object to one made from the same material.



4

1 mark for every  
correct match