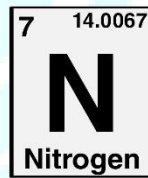
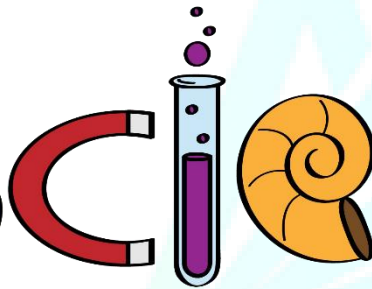
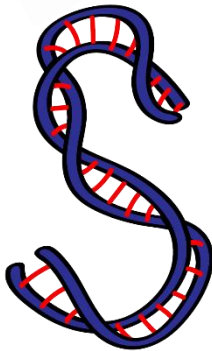




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Science Department

2023/2024

Year 4

Term 3, Week 2

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Name:

Class:

1 There are FIVE electrical conductors and FIVE electrical insulators hidden in the grid. Some words are across the grid and some words are downwards on the grid.

You will have to use some letters more than once.

One answer has been circled for you as an example. Find the rest and circle them.

P	L	A	S	T	I	C	E
M	I	E	L	O	S	E	S
G	S	I	L	V	E	R	P
L	O	R	C	T	A	A	G
A	W	O	O	D	W	M	O
S	I	N	P	O	A	I	L
S	E	N	P	R	T	C	D
I	T	O	E	S	E	N	T
E	C	O	R	K	R	O	L

2 What is the difference between:

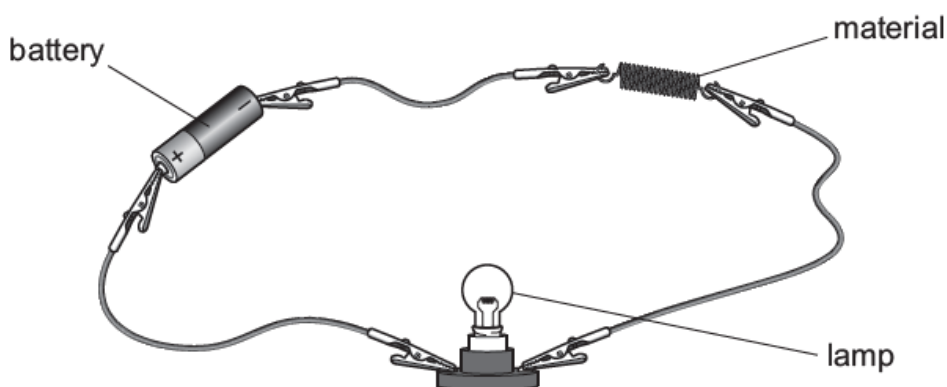
a distilled water and tap water?

----- Distilled water is pure, but tap water has salts dissolved in it ----- .

3 Circle THREE of the following materials that are electrical conductors.

copper	glass	cork	steel	aluminium	plastic
--------	-------	------	-------	-----------	---------

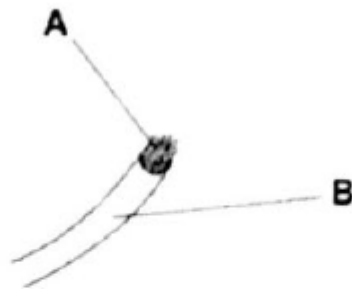
4 Mia investigates different materials. She adds different materials to an electrical circuit.



Mia wants to be **safe** during the investigation. Write down **one** thing she does to be safe.

-----do not touch the lamp - do not look directly at the lamp - be careful when connecting crocodile clips----- .

5 Wires are used in electrical circuits.



Complete the sentences.

Choose from the following words.

conductor copper insulator plastic reflector wood

Material **A** is

This material is used because it is a good

Material **B** is

This material is used because it is a good

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6 The picture shows an electrical cable.

(a) Label the picture.

Choose from the following words.

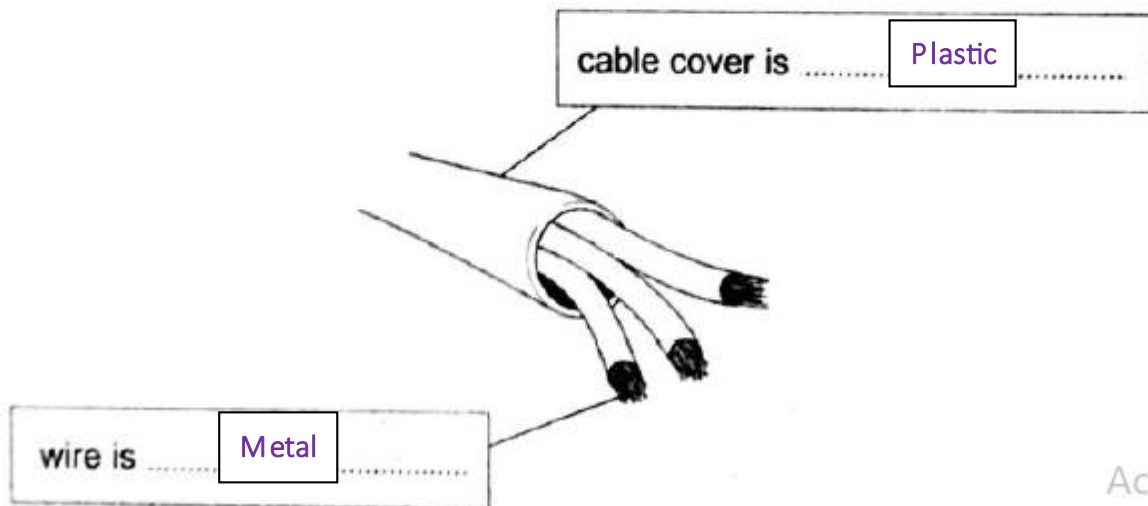
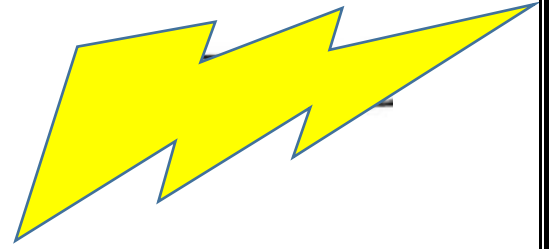
glass

metal

paper

plastic

wood



(b) Complete the sentence.

The cable cover is a good insulator

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