Science Worksheet-1

Candidate Name: ....

Total Marks: 15

Grade: V

Marks obtained: ....

Time: (.................)

Teacher's Signature: ....

1 Some solids dissolve in water and some do **not**.   [4]

Complete the table.

solid added to water	does the solid dissolve?
iron	no
salt	....
sand	....
silver	....
sugar	....

2 Here are the properties of some materials

material	hard or soft	magnetic or non-magnetic	soluble or insoluble in water
A	hard	non-magnetic	insoluble
B	hard	magnetic	insoluble
C	soft	non-magnetic	insoluble
D	hard	non-magnetic	soluble

(a) A mixture contains **A** and **B**.
Which method would you use to separate this mixture?
Tick the correct box.

condensation ☐

evaporation ☐

filtration ☐

magnetic attraction ☐

[1]

(b) A solution contains **D** in **water**.
Which method would you use to separate pure **D** from this solution?
Tick the correct box.

condensation ☐

evaporation ☐

filtration ☐

magnetic attraction ☐

[1]

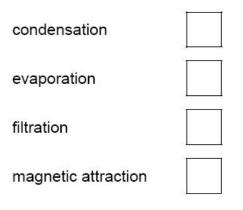**(c)** A mixture contains **C** and **water**.
Which method would you use to separate this mixture to get **C** and water?
Tick the correct box.

condensation ☐

evaporation ☐

filtration ☐

magnetic attraction ☐

[1]

(d) A mixture contains **C**, **D** and **water**.
Which two methods would you use to separate the mixture to get both pure **C** and pure **D**?
Tick the **two** correct boxes.

condensation ☐

evaporation ☐

filtration ☐

magnetic attraction ☐

[1]

3) Is high friction in this situation helpful or a problem? [1]

....

....

....

4) Write the components for the following circuit diagram [1]

(a)

....

....

....

[1]

(b)

....

....

....

4) [1]

(c)

....

....

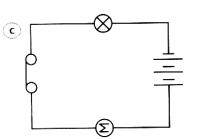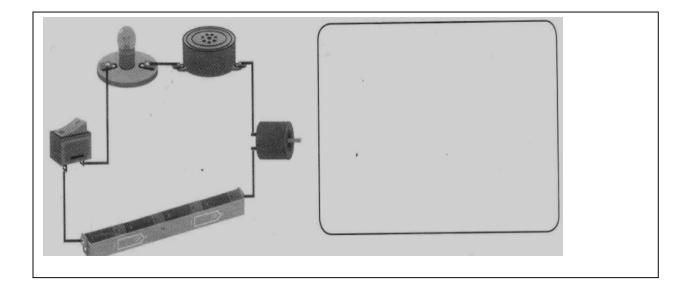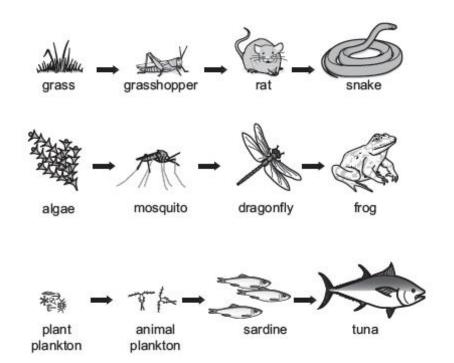..

5) Draw a circuit diagram to represent this circuit. [1]

6) Lily finds three food chains

a) Write down the name of two predators from the food chains.

1)..............................,..................................,..................................,...........................

2)..[1]

grass → grasshopper → rat → snake

algae → mosquito → dragonfly → frog

plant plankton → animal plankton → sardine → tuna

7) Mia and Oliver are thinking of ways to care for the environment. [1]

Tick **three** ways to care for the environment.

have a bath	☐
re-use paper	☐
throw away glass bottles and jars	☐
turn lights off	☐
use litter bins	☐

Science Worksheet-2

Candidate Name: .... Total Marks: 15

Grade: V   Marks obtained: ....

Time: (.................)   Teacher's Signature: ....

1) Complete the sentences about food chains.
Choose from the following words.
Each word can be used once, more than once, or not at all.   [3]
consumer habitat predator prey producer
Food chains start with a ....

An animal that eats plants is called a ....

An animal that eats another animal is called a ....

2) The picture shows an electrical cable.
(a) Label the picture.   [2]
Choose from the following words.
glass
metal
paper
plastic
wood

cable cover is ....

wire is ....

(b) Complete the sentence.   [1]

The cable cover is a good ....
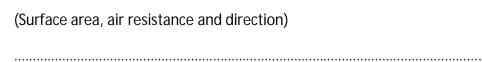
3) Ahmed investigates the solubility of four substances **A**, **B**, **C** and **D**.
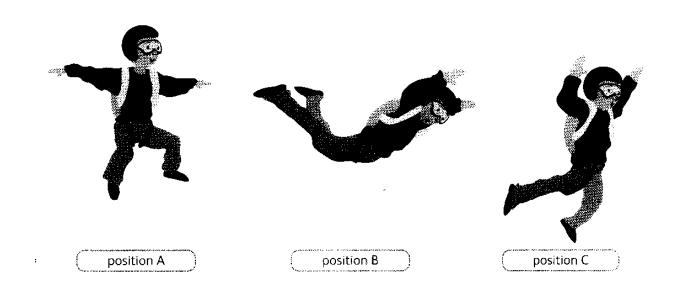He wants to find which substance is the most soluble.

In his first experiment he
Uses 25 cm3 of water at a temperature of 20 ⬚ C
Adds substance **A** to the water until it just stops dissolving
Records the mass of substance **A** that has dissolved.
Ahmed then tests substances **B**, **C** and **D**.

(a) Ahmed wants to do a fair investigation.
What volume of water should he use in each experiment?

.... [1]

(b) Ahmed wants to do a fair investigation.
What temperature of water should he use in each experiment?

.... [1]

(c) Gabrielle suggests that Ahmed should do each experiment again.
Why is it a good idea to repeat experiments?

.... [1]

(d) Ahmed decides to investigate the solubility of substance **A** at higher
temperatures of water.
Suggest a possible prediction for this investigation.

.... [1]

4) Is low friction in this situation helpful or a problem? [1]

....

....

....

....

....

5 a) In which position do you think the skydiver will fall the slowest? [1]

....

....

b) Explain the answer you gave to question a. Use these scientific words.   [1]

(Surface area, air resistance and direction)

....

....

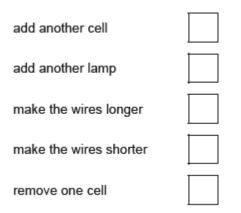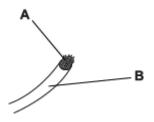| position A | position B | position C |

6) Rajiv is investigating electrical circuits. Here is his circuit.

Rajiv wants to make the lamp **brighter**.   [1]
Tick the **two** correct boxes.

add another cell ☐

add another lamp ☐

make the wires longer ☐

make the wires shorter ☐

remove one cell ☐

7) Wires are used in electrical circuits.

Complete the sentences.
Choose from the following words.
conductor copper insulator plastic reflector wood

These words can be used once, more than once or not at all.

Material **A** is .... [1]

This material is used because it is a good..