GRADE -6 Revision -Worksheet for the 2nd Term Exam

G.SCIENCE

I.Fill in the blanks.

1. A species is a group of organisms that can reproduce to produce fertile offspring.

2. The virus named SARS Co- V 2 causes coronavirus or covid 19 disease.

3. The pH scale measures how acidic or alkaline a substance is.

4. A liquid with pH 1 is an acid.

5. The universal indicator turns green in a neutral solution.

6. Sodium hydroxide is an example of a strong alkali.

7.Litmus turns red in acids and blue in alkalis.

8. Acids and alkalis are chemical opposites.

9. Lemons and limes contain citric acid.

10. Hazard warning labels are used to label the strong acids and alkalis kept in bottles.

11. Universal indicator shows how acidic or alkaline a substance is.

12. The flow of electrons in a circuit is called current.

13. Current in an electric circuit is measured in amps.

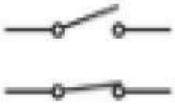
14.A substance that can destroy living tissues and causes burns is said to be corrosive.

15. The characteristic that helps living things to get rid of waste materials is called excretion.

II. True or False

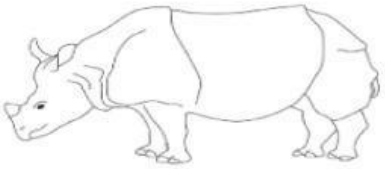
1. Breaking down nutrients to release energy is called excretion. False
2. Another word for taking in nutrition is called feeding. True
3. Making copies of the viruses is called replication. True
4. Red cabbage juice can be used as an indicator. True
5. Growth is the permanent increase in size. True.
6. Viruses are not made of cells. True
7. Opposite charges repel, and like charges attract. False
8. Organisms that belong to the same species usually look different to one another. False.
9. Sodium hydroxide is used in cleaning products. True.
10. Influenza is caused by the virus named H3N2. True.
11. The outer coat of a virus is made of fats.False
12. The RNA contains a set of coded instructions for making more viruses. True.

III. . Write the names and the functions of the circuit symbols in the spaces beside the symbols.

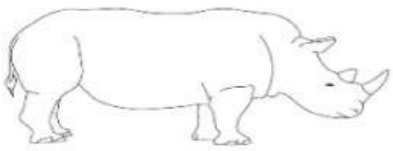
Symbol	Name	Function
	1.Ammeter	Measures current in a circuit
	2.Cell	Provides energy to make current flow.
	3.Lamp	Gives out light
	4.Switch-open	Stops the flow of current when opened
	5.Switch- close	Starts the flow of current when
	6.Buzzer	Makes a buzzing sound

IV.

The drawings show a white rhinoceros and an Indian rhinoceros.



Indian rhinoceros



white rhinoceros

White rhinoceroses and Indian rhinoceroses belong to different ..... This means that they cannot ..... with each other to produce ..... offspring.

White rhinoceroses and Indian rhinoceroses do not look ..... one another. Indian rhinoceroses have one ..... but white rhinoceroses have two ..... .

The words below have a connection with either acids or alkalis. Write each word or group of words in the correct column in the table.

Remember, some of the words might belong in both columns.

citric acid cola corrosive lemon juice harmful
nitric acid sharp sour sodium hydroxide soap
vinegar washing powder washing soda

bitter, toothpaste.

Acids	Alkalis
Citric acid Sour Nitric acid Vinegar Sharp Cola Corrosive Lemon juice Harmful	Sodium hydroxide Washing soda Washing powder Soap Corrosive Harmful Bitter

Answer the following questions.

1.Which microscope is used to see a virus?

Electron microscope

2.What are viruses?

Viruses are very small micro organisms that can only be seen with an electron microscope. They are not made of cells. They do not show all the characteristics of a living thing. They can only reproduce in a host cell.

3. What are ligers and mules?

A liger is an offspring produced by a male lion and a female tiger.

A mule is an offspring produced by a male donkey and a female horse.

4. Write any three safety points you would follow while handling chemicals.

When you handle chemicals you should:

- stand up to work, so that if you spill something it does not spill on to you
- wear safety glasses, so nothing gets into your eyes
- take the top of the bottle and place it upside down on the work surface, so that it does not get acid onto the surface or dirt into the acid

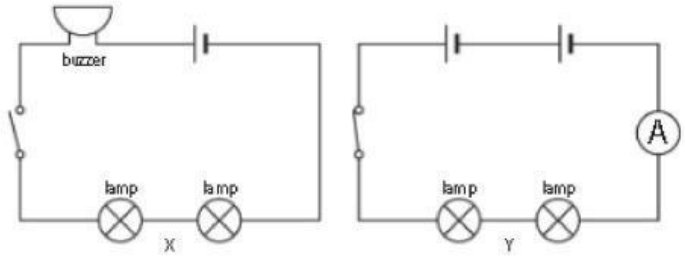
5. Write any three differences between a car and a living thing.

Differences: 1.A car can move but not by itself.

2.A car cannot reproduce.

3. A car cannot grow.

6. Describe the differences between the two circuits given below.



Any three from:

Y has 2 cells and X has 1 cell / Y has an extra cell.

Y has no buzzer.

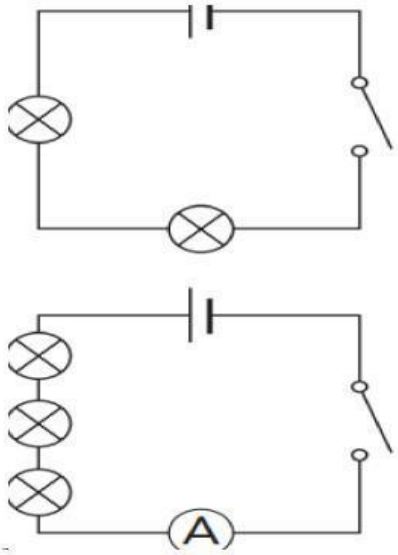
Y has an ammeter.

Y has a closed switch and X has an open switch.

7. Draw electrical circuits for the following.

A) Two lamps that can be switched on and off together in a car.

B) Three lamps that can operate all the time with a way to measure current in the lamps.



8.a. Write down any two similarities between the horse and the donkey.

b. Write down any two differences between the horse and the donkey.

c.What evidence shows that horses and donkeys belong to different species?

Similarities: Both have four legs, Hair on their bodies, or mammals.

Differences: The donkey is smaller, it has longer hair along its neck.

Evidence:They have different Latin names. They cannot breed together to produce fertile offspring.

9.A truck is loading chemicals. Answer the questions.

The driver has placed an orange warning notice nearby.

Q1. Explain why this is important.

The driver places warning notice nearby so that everyone knows that acid is being delivered.

Q2. Suggest what could be done if there is an accident and some acid is spilt on the ground.

Explain your answer.

The area of the spill could be covered with lots of water to dilute the acid so that it causes less harm.

Explosive		A substance that can explode if it comes into contact with a flame or heat.
Flammable		A substance that can catch fire easily.
Oxidising		A substance that gives off a large amount of heat when in contact with other substances.
Corrosive		A substance that can destroy living tissue. It can cause burns.

Toxic		A substance that can poison you.
Hazardous to the environment		A substance that can kill or damage living things in the environment.
Health hazard		A substance that can cause harm such as irritating your skin and eyes.
Serious health hazard		A substance that can cause a serious problem to your health.

Learn all the hazard warning symbols and their meaning.

10. Define the following terms.
    a. Species: A group of organisms that can breed together to produce a fertile offspring is called a species.
    b. Variations : Differences between the individuals of the same species are called variations.

BEST OF LUCK