

*The City School*  
University Road Campus  
Science Reinforcement  
Worksheet#1

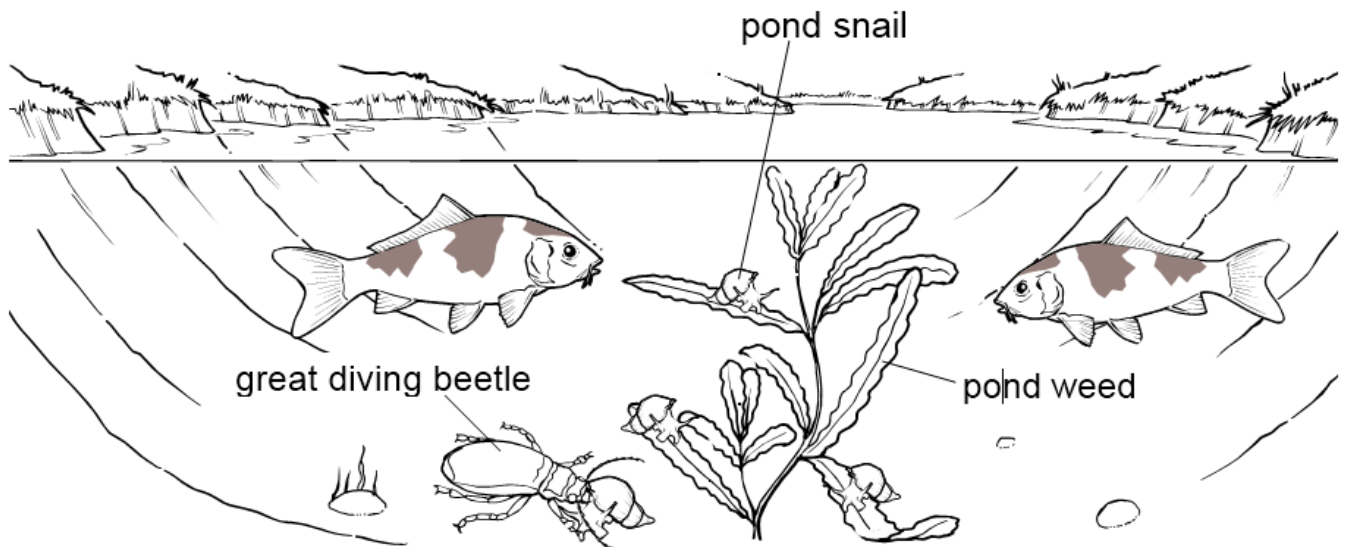


Name: \_\_\_\_\_ Section: \_\_\_\_\_ Date: \_\_\_\_\_

**Q1. Fill in the blanks.**

- a. An organism that eats other organism is called \_\_\_\_\_.
- b. A \_\_\_\_\_ is used to measure the temperature of body.
- c. Electricity, supplied to homes and schools is called \_\_\_\_\_ electricity.
- d. Red handed \_\_\_\_\_ eat buds, leaves and fruits.
- e. A diagram that is used to find the name of something is called \_\_\_\_\_.
- f. The unit of voltage is \_\_\_\_\_.
- g. In Atacama Desert, \_\_\_\_\_ trees have very deep roots to find water far underground.

**Q2. Here is a picture of a pond.**



a. Write down one organism that is a predator.

\_\_\_\_\_

b. Write down one organism that is a prey.

\_\_\_\_\_

c. Draw one food chain from this pond.

\_\_\_\_\_

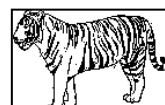
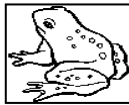
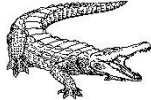
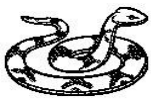
*The City School*  
**University Road Campus**  
**Science Reinforcement**  
**Worksheet #2**  
**Class 4**



Name: \_\_\_\_\_ Section: \_\_\_\_\_ Date: \_\_\_\_\_

Q1. Sara and Maha are investigating some animals. They sort the animals by these characteristics.

A= vertebrates	B= invertebrates	C= Lay eggs	D= Give birth to young ones	E= Cold blooded	F= Warm blooded
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- a) Name one animal that would be in group A, D and F. \_\_\_\_\_.
- b) Name one animal that would be in group B and E. \_\_\_\_\_.
- c) Name two animals that would be in groups A and C. \_\_\_\_\_, \_\_\_\_\_.
- d) Which three of these groups would a human being be in? Group \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.

Q2. Give reason:

1. Why will pressing the switch in the circuit make the bulb light up? How does a switch work?

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2. What is the function of a fuse in a plug?

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3. Why does a balloon get bigger when it is heated?

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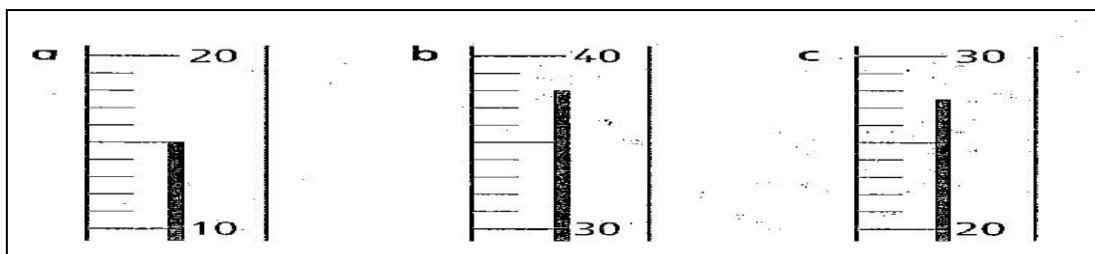


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Q3. What temperatures are shown in the thermometers shown below? Mention the unit.



\_\_\_\_\_

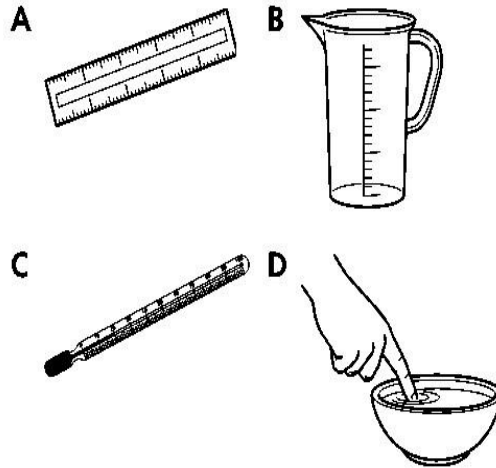
\_\_\_\_\_

\_\_\_\_\_

**Q4. Where are these organisms most likely to be found?**

1. Cactus plant \_\_\_\_\_
2. Rose plant \_\_\_\_\_
3. Water lily \_\_\_\_\_
4. Scorpion \_\_\_\_\_
5. Zebra \_\_\_\_\_

**Q5. Which of these things is best for measuring temperatures?**



**Why?**

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**Q6. Look carefully at each thermometer. For each one, write:**

- a. The highest temperature it can read.
- b. The lowest temperature it can read.
- c. The temperature it is currently showing.

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**Worksheet#3**  
**Class 4**



Name: \_\_\_\_\_ Section: \_\_\_\_\_ Date: \_\_\_\_\_

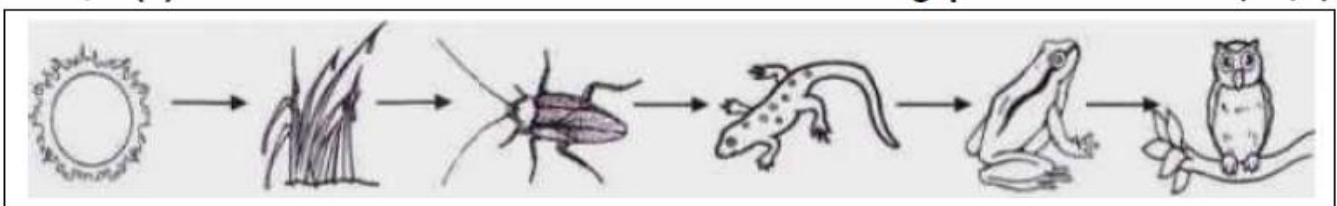
**Q1. State whether True or False. Give reason, if the statement is false.**

- a. All electricity comes from batteries. \_\_\_\_\_  
 \_\_\_\_\_
- b. You should only hold the metal parts of the plugs. \_\_\_\_\_  
 \_\_\_\_\_
- c. Food chain always starts with an animal. \_\_\_\_\_  
 \_\_\_\_\_

**Q2. Match column A with Column B and write the answer in Column C.**




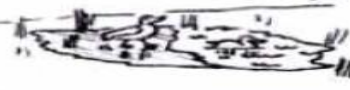



Column A	Column B	Column C
1. Circuit	A. Can burn you if you if you are not careful	
2. Mains Electricity	B. Joins the parts of a circuit	
3. Switches	C. Will only work if there are no gaps in it.	
4. Wire	D. Are used to leave a gap in a circuit or to close a gap in a circuit.	

**Q3. Look at the food chain and answer the following questions**



- i. Name the prey of owl. \_\_\_\_\_
- ii. Name the predator of lizard. \_\_\_\_\_
- iii. Which animal has no predator in this food chain? \_\_\_\_\_
- iv. What does the arrow in the food chain indicate? \_\_\_\_\_

Q4. Draw lines to match the things with the correct temperatures. One has been done for you.

Boiling water.			31 °C
Room temperature.			100 °C
A pond in winter.			37 °C
Normal body temperature.			38 °C
The body temperature of James, who has flu.			20 °C
A summer day.			0 °C

Q4a. Answer the following questions.

1. Why are forests cut down?

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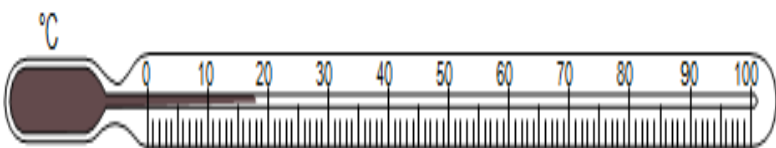
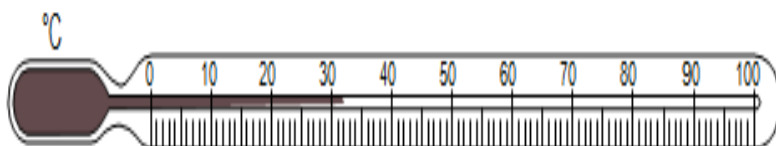
2. Define temperature sensors.

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3. What does a ruler measure?

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Q4b. What temperatures do these thermometers show?



# The City School

## University Road Campus



Science Reinforcement

Worksheet #4

Class 4

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

Section: \_\_\_\_\_

Date: \_\_\_\_\_

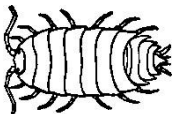

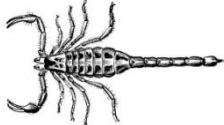

**Q1. Fill in the blanks.**

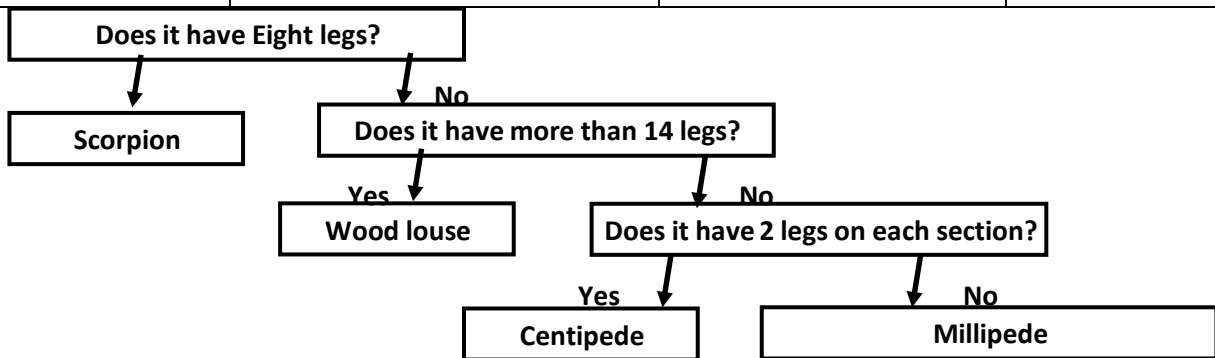
1. In cold countries people use \_\_\_\_\_ in their room to keep the temperature at 20°C.
2. Herbivores are also called \_\_\_\_\_ consumers
3. Wood lice can be found in \_\_\_\_\_ and \_\_\_\_\_ places.
4. Penguins have \_\_\_\_\_ feet.
5. Spiders have \_\_\_\_\_ legs.

**Q2. State whether true or false.**

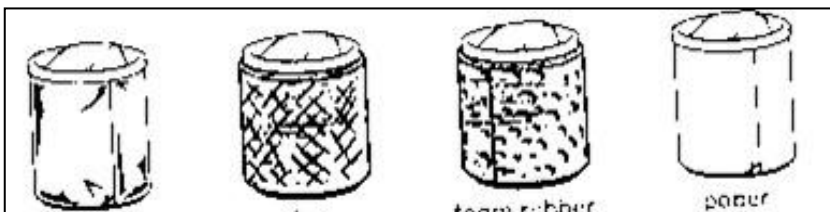
1. Polar bears are best suited to survive in a desert. \_\_\_\_\_
2. The degree Celsius is used for measuring the power of the electricity. \_\_\_\_\_
3. Antarctica is a very cold and windy place. \_\_\_\_\_

**Q4. Identify the organisms with the help of the dichotomous key.**

			
<b>Animal: A</b>	<b>Animal: B</b>	<b>Animal: C</b>	<b>Animal: D</b>



**Q5.**



Cling wrap

Paper towel

Styrofoam

Metal sheet

Salma puts fine ice cubes into containers wrapped with different materials. She left them at room temperature for 1 hour. Then she measured the amount of melted water from each to find out the best insulator.

1. Suggest the starting temperature for the ice cubes? \_\_\_\_\_ °C
2. Which equipment should Salma use to measure the volume of water after the ice melted?  
\_\_\_\_\_.
3. Write down 2 things that Salma needs to keep the same to make this a fair test.  
\_\_\_\_\_
4. Write down 1 factor that Salma should change.  
\_\_\_\_\_

**After the experiment Salma got the highest amount of water from the cup which is covered with metal sheet. Arrange the insulators in the correct order (start from the best).**

_____	best
_____	↕
_____	
_____	poor



Name: \_\_\_\_\_ Section: \_\_\_\_\_ Date: \_\_\_\_\_

**Q1. Fill in the blanks.**

1. A circuit will not work if there are any \_\_\_\_\_.
2. The closed path of electric current is called a \_\_\_\_\_.
3. Solids \_\_\_\_\_ on heating and contract on cooling.
4. Wood is an \_\_\_\_\_ of heat.
5. A green plant is always a \_\_\_\_\_ in a food chain.

**Q2. Give scientific reason to justify each situation given below.**

1. A fuse is used in a plug. \_\_\_\_\_
2. Cactus plant has needle like leaves. \_\_\_\_\_

**Q3. Read the following examples of thermal equilibrium. State whether the given statements are examples of thermal equilibrium or not. Write (TE) for the correct example.**

- 1) A hot cup of tea is kept on a kitchen table for 20 minutes. \_\_\_\_\_
- 2) Blowing a balloon. \_\_\_\_\_
- 3) Turning on AC in a room. \_\_\_\_\_
- 4) Mixing of hot and cold water. \_\_\_\_\_
- 5) Cutting a cake with knife. \_\_\_\_\_

**Q4. Construct a food chain of terrestrial and aquatic habitat. (1 each)**

\_\_\_\_\_  
\_\_\_\_\_

**Q5. Guess, what am I?**

1. I can live in water and on land. I am cold blooded. \_\_\_\_\_
2. I am warm blooded. I can give birth to my young ones and feed them on milk. \_\_\_\_\_
3. I am the only group of animals with feathers. I lay eggs. \_\_\_\_\_
4. I have 6 legs. My body is divided into three parts. I am an invertebrate. \_\_\_\_\_
5. I lay eggs and have a moist skin with scales. I have a special organ for breathing.  
\_\_\_\_\_
6. I am cold blooded. I lay eggs and have dry skin with scales. \_\_\_\_\_

- |            |
|------------|
| Mammals    |
| Reptiles   |
| Birds      |
| Amphibians |
| Insects    |
| Fish       |