



**Q1. Fill in the blanks.**

- \_\_\_\_\_ are known to be the best electrical and thermal conductors.
- The usual temperature of a room is \_\_\_\_\_ °C.
- Modern thermometers use a liquid inside the rounded end of the thermometer called the \_\_\_\_\_.
- You can stop heat flow by using an \_\_\_\_\_.
- The \_\_\_\_\_ provides electricity.
- The more batteries in the circuit the \_\_\_\_\_ the bulb glows.

**Q2. Guess, what am I?**

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

**Mammals**

**Reptiles**

**Birds**

**Amphibians**

**Insects**

**Fish**

**Q3. Sort the following activities in their respective columns.**

Deforestation, plantation, put silencers in vehicles, littering, hunting animals,  
 Over usage, reserve wild life, spilling oil, wisely usage of natural resources, saving electricity

Useful activities of humans	Harmful activities of humans

**Q4. Enlist the animals in the following categories:**

**Mammals:** \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

**Amphibians:** \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

**Insects:** \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Q4. Here is a food chain found in Mr. Ahmed's garden.

Lettuce → slug → hedgehog

Mr. Ahmed spends a day removing all the slugs.

a) How will this affect his lettuces?

\_\_\_\_\_

b) How will this affect the number of hedgehogs visiting his garden?

\_\_\_\_\_

c) Explain your answer?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Q5. (a) Draw and Define heat transfer by conduction.

\_\_\_\_\_

\_\_\_\_\_

(b) Look at the pictures and write which two things are in direct contact.



\_\_\_\_\_ and \_\_\_\_\_



\_\_\_\_\_ and \_\_\_\_\_



\_\_\_\_\_ and \_\_\_\_\_



\_\_\_\_\_ and \_\_\_\_\_



\_\_\_\_\_ and \_\_\_\_\_



\_\_\_\_\_ and \_\_\_\_\_

Give reason:

1. Why will pressing the switch in the circuit make the bulb light up?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_