

## **The Invisible Living World: Beyond Our Naked Eye**

### **Short Answer Questions**

**1. What is a lens?**

A curved piece of glass that makes objects appear larger.

**2. Why is it called a lens?**

Because it resembles a lentil seed.

**3. What is the shape of a lens?**

Thick in the middle and thin at the edges.

**4. What does a magnifying glass do?**

It makes small objects appear larger.

**5. What is a microscope?**

An instrument used to see very tiny objects.

**6. What are living beings called?**

Organisms.

**7. Give two examples of organisms.**

Plants and animals.

**8. How do reading glasses help people?**

They help them see clearly.

**9. What happens when letters are viewed through a water-filled flask?**

They appear larger.

**10. Which invention helped humans discover microorganisms?**

The microscope

### **Fill in the Blanks**

1. A curved piece of glass that makes objects appear larger is called a

\_\_\_\_\_.

**Answer:** lens

2. A lens is thick in the \_\_\_\_\_ and thin at the edges.

**Answer:** middle

3. A \_\_\_\_\_ helps us see very tiny objects.

**Answer:** microscope

4. All living beings are called \_\_\_\_\_.

**Answer:** organisms

5. A water-filled round-bottom flask acts like a \_\_\_\_\_ glass.

**Answer:** magnifying

### MCQs

**1. The human eye can see only objects above a certain \_\_\_\_\_.**

- A) Colour
- B) Shape
- C) Size
- D) Weight

**Answer:** C) Size

**2. Very tiny objects cannot be seen with the \_\_\_\_\_.**

- A) Microscope
- B) Telescope
- C) Naked eye
- D) Lens

**Answer:** C) Naked eye

**3. A curved piece of glass that makes objects appear larger is called a \_\_\_\_\_.**

- A) Mirror
- B) Lens
- C) Prism
- D) Screen

**Answer:** B) Lens

**4. A lens is thick in the \_\_\_\_\_ and thin at the edges.**

- A) Corner
- B) Surface
- C) Middle
- D) Bottom

**Answer:** C) Middle

**5. The word "lens" comes from its resemblance to a \_\_\_\_\_.**

- A) Pea
- B) Bean
- C) Lentil seed
- D) Rice grain

**Answer:** C) Lentil seed

**6. Which instrument uses a lens to enlarge small objects?**

- A) Microscope
- B) Magnifying glass
- C) Thermometer
- D) Barometer

**Answer:** B) Magnifying glass

**7. Which instrument is used to see tiny organisms?**

- A) Compass
- B) Telescope
- C) Microscope
- D) Weighing balance

**Answer:** C) Microscope

**8. All living things are called \_\_\_\_\_.**

- A) Tissues
- B) Cells

C) Organisms

D) Organs

**Answer:** C) Organisms

**9. A water-filled round-bottom flask acts like a \_\_\_\_\_.**

A) Magnet

B) Microscope

C) Magnifying glass

D) Thermometer

**Answer:** C) Magnifying glass

**10. The invention that helped humans discover microorganisms was the**

\_\_\_\_\_.

A) Telescope

B) Microscope

C) Camera

D) Compass

**Answer:** B) Microscope