



Name _____ Class _____ Roll no. _____ Date _____ Marks _____ / 24

1 Key words**[3]**

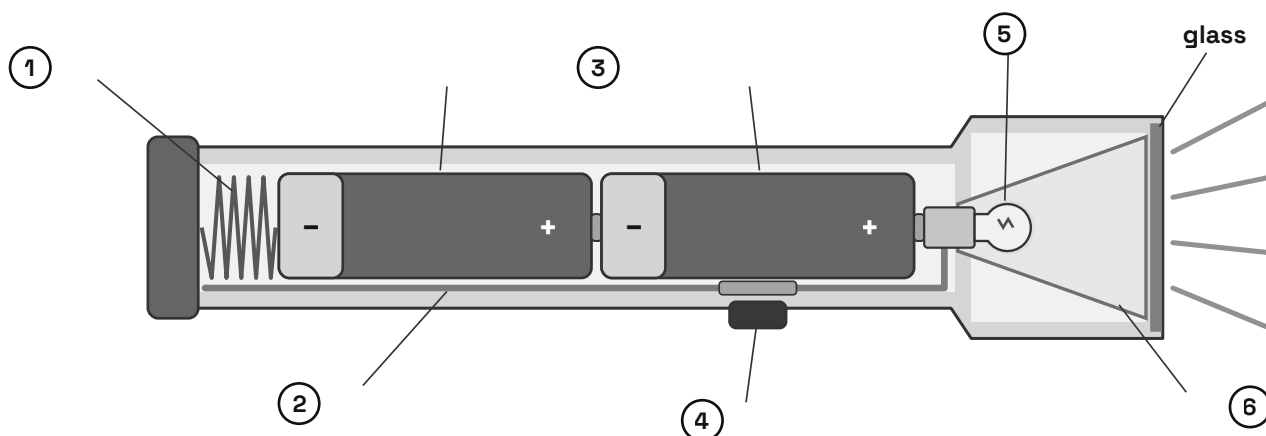
Fill in the blanks with words from the box. One word in the box is not needed. Each blank carries 0.5 mark.

circuit dispersion luminous medium opaque reflection vibrates

A thing that gives out its own light is called a _____ object. A thing that lets no light pass through it is _____. The splitting of white light into seven colors is called _____. A thing makes a sound when it _____. Sound needs a _____ to travel through. A complete path for electricity is called an electric _____.

2 Label the diagram**[3]**

The diagram shows the inside of a torch. Write the names of the parts numbered 1 to 6. Each carries 0.5 mark.



- | | |
|----------|----------|
| 1. _____ | 2. _____ |
| 3. _____ | 4. _____ |
| 5. _____ | 6. _____ |

3 Multiple choice**[5]**

Choose the correct option for each of the following questions.

i. Which of these is luminous?

[1]

- | | |
|----------------|-------------|
| a. a planet | b. the Sun |
| c. a satellite | d. the Moon |



- ii. Your mother rides her scooter to the office. The Sun shines straight into her eyes, and the glare hurts them. What would you tell her to wear? [1]
- glasses with clear, transparent lenses
 - dark glasses, whose lenses let only part of the light through
 - glasses with very powerful lenses
 - glasses with opaque lenses
- iii. On a cloudy day, we can't see the Sun, but it is still light. Why? [1]
- Clouds are transparent.
 - Clouds are opaque.
 - Clouds are translucent.
 - Clouds make their own light.
- iv. Through which of these can sound not travel? [1]
- air
 - water
 - wood
 - a vacuum
- v. A bulb in an electric circuit doesn't light. What could be the reason? [1]
- The switch is off.
 - The circuit is complete.
 - A new battery has been used.
 - The switch is on.

4 Correct or wrong? [4]

Write ✓ if the sentence is correct and X if it is wrong. Each carries 1 mark.

- Air is an opaque substance. (_____)
- The thin strings of a guitar make a shrill sound. (_____)
- Electricity flows in an open circuit. (_____)
- The Moon is a non-luminous object. (_____)

5 Match the parts of a circuit [2]

Match each part in Column A with its job in Column B. Write the letter in the box. One job in Column B is not needed. Each match carries 0.5 mark.

Column A

- dry cell
- conducting wire
- switch
- bulb

Column B

- | | |
|----------------------|--|
| <input type="text"/> | a. gives light when electricity flows through it |
| <input type="text"/> | b. gives the electricity |
| <input type="text"/> | c. carries the electricity |
| <input type="text"/> | d. makes the sound louder |
| | e. turns the flow on and off |

6 Very short answers [1]

Write very short answers to the following questions.

Write the seven colors of a rainbow in order.



7 Short answers

[4]

Write short answers to the following questions.

- a. Why does a drum make a soft sound when struck gently, and a loud sound when struck hard?

[2]

- b. Write two safety measures to follow while using electricity.

[2]

8 Think

[2]

Think, then answer.

Your little sister wants to see a rainbow on a sunny day with no rain. What would you do?
Why does it work?

9 Activity: Does it give light? (Activity 7.2)

(not marked)

Put these things in two groups: a candle (burning), a mirror, a torch (switched on), a stone, the Sun, the Moon, a book, a star.

Things that give light	Things that don't give light

