



# EBHS KIKHANZA HOMESCHOOLING BOGOR

"More Knowledgeable, Creative, and Independent"

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

Subject: \_\_\_\_\_ Teacher: \_\_\_\_\_

## FINAL EXAM SCIENCE ACADEMIC YEAR 2023/2024 JUNE, 2024

### I. Circle the correct answer!

#### A. Animal life cycles

- 1 Animals without backbones are called \_\_\_\_\_.  
a vertebrates  
b invertebrates  
c reptiles  
d mammals
- 2 Amphibians go through \_\_\_\_\_. This means that they have different body structures at different points in their lives.  
a pollination  
b segmentation  
c moulting  
d metamorphosis
- 3 The young of a frog that hatches from an egg is called a \_\_\_\_\_.  
a larva  
b froglet  
c tadpole  
d cocoon
- 4 A caterpillar's skin does not stretch as it grows. It sheds its skin through \_\_\_\_\_ for a new skin to grow.  
a hatching  
b cocooning  
c pollination  
d moulting
- 5 The process of laying eggs in water and also releasing sperm to fertilise them in the water is called \_\_\_\_\_.  
a pollination  
b spawning  
c hatching  
d metamorphosis



## B. Light sources

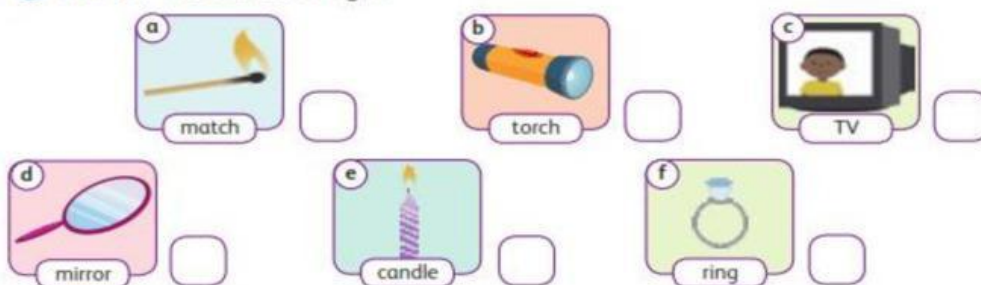
- 1 Which is not a light source?  
a street light      b fireworks      c Sun      d mirror
- 2 Which light source gives us bright light?  
a glow-worm      b car headlamp      c digital watch      d lit match
- 3 Objects that allow light to easily pass through them are called \_\_\_\_\_.  
a opaque      b translucent      c transparent      d reflective
- 4 Tracing paper is translucent. Why?  
a You can see through translucent materials, but not very clearly.  
b You can clearly see through a translucent material.  
c You cannot see through translucent materials.  
d You can only sometimes see through translucent materials.
- 5 Which of the following is a natural light source?  
a torch      b glow-worm      c bulb      d candle
- 6 A green leaf absorbs all the colours of light except \_\_\_\_\_.  
a red      b blue      c green      d yellow

## II. Follow the instructions below!

- 1 Write N for natural light sources.
- 2 Write A for artificial light sources.



- 1 Tick (✓) the sources of light.



III. Follow the instructions below!

A. Fill in the blank with these words

light rays   opaque   medium   prisms

primary   refraction   white

- a The bending of light is called \_\_\_\_\_.
- b The light we see is \_\_\_\_\_ light.
- c White light is separated into its component colours by \_\_\_\_\_.
- d We can see through transparent materials, but we cannot see through \_\_\_\_\_ materials.
- e Straight lines of light are called \_\_\_\_\_.
- f Red, green and blue are the \_\_\_\_\_ colours of light.
- g Light is refracted when it moves from one \_\_\_\_\_ to another.

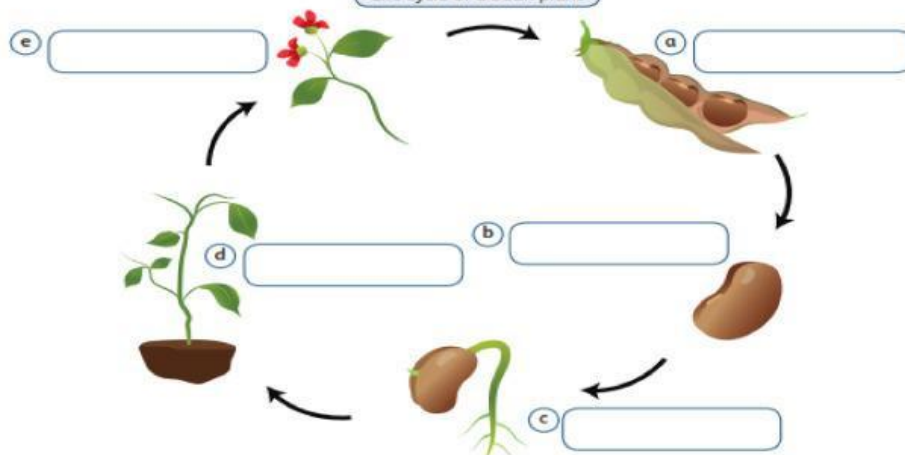
B. Draw and match these words!

eyebrow   eyelashes   eyelid   iris   pupil



seed dispersal   fertilisation   flowering   growth   germination

Life cycle of a bean plant



**IV. Answer these questions below!**

1. We can see the moon in the night because? \_\_\_\_\_

\_\_\_\_\_

2. What natural light sources do you know? \_\_\_\_\_

\_\_\_\_\_

3. Write for artificial light sources do you know? \_\_\_\_\_

\_\_\_\_\_



4. What do you notice about the picture above, about the sunlight shining through the trees?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. A. Microscope is a tool to helps us to see ? \_\_\_\_\_

B. Telescope is a tool to helps us to see? \_\_\_\_\_