

Ek Burapa School
G6 OIC Science Final Exam – Sept., 2025

Name: _____ **Grade:** 6 / _____ **No:** _____ **Date:** _____ /09/2025.

Subject: OIC Science 'The Way We See Things' Unit 3, pages 68-103.

(This exam consists of 4 pages) **Score:** _____ / **20** (40 divided by 2)

A. Choose the correct word from the Word Box and enter it on the line:

(15 marks)

beam	ray	opaque	translucent	transparent
periscope	mirror	Sun	torch	reflect
silhouette	gnomon	mirage	Light intensity	illusion

1. An object is said to be _____ when **no light** passes through it.
2. An object is said to be _____ when **some light** passes through it.
3. An object is said to be _____ when **most** or **all light** passes through it.
4. Light that **bounces off** an object into your eye is said to _____.
5. The post, or central figure casting a shadow in a sundial, is called a _____.
6. The _____ is the **main source of light** on Earth.
7. In the 1700s a new way of making pictures of people was invented. This shadowy image was called a _____.
8. A _____ is the **absence of light** in a space where an opaque object blocks a path of light.
9. A _____ is a tool that allows us to see **over and around objects** using 2 mirrors.
10. A straight-line path of the direction of light from a source is called a _____.
11. A _____ of light is actually a 'collection' of **smaller light rays** that travel together.
12. _____ is the measure of the 'brightness' of light in a specific area.
13. A _____ is **an optical illusion** caused by atmospheric conditions, especially in a desert or on a hot road.

14. Something that is wrongly perceived by your senses (**usually your eyes**) and sends conflicting messages to your brain is called an _____.

15. In ancient times a _____ was a portable means of providing light using a cloth soaked in oil or tallow. Now, it is a portable, **battery-operated lamp**.

B. Choose the correct word and enter it on the space provided. (15 marks)

1. About _____ of all animals have eyes.

a) 50 per cent b) 95 per cent c) 75 per cent

2. _____ enters our eyes to let us see the world around us.

a) blindness b) Light c) light

3. When we see objects we see them by light _____ off of them.

a) absorbed b) reflected c) emanating

4. The image you see of yourself in a _____ is back to front. The wrong way around!

a) window b) mirror c) wall

5. Light travels in a _____ line.

a) curved b) straight c) circular

6. Flat mirrors reflect a really good image that is called a _____.

a) true likeness b) false image c) simple refection

7. When light changes direction from air to a different material it's called _____.

a) true likeness b) warping c) refraction

8. When white light hits any surface, some of the colors are _____.

a) absorbed b) dulled c) brightened

9. A _____ is caused by droplets of rain separating the white light into all the colors that make it.

a) light meter b) torch c) rainbow

10. Objects in water look closer than they are. This is an _____.

a) optical illusion b) mirage c) rainbow effect

11. One of the following materials is opaque - _____.

a) a stained-glass window b) a water bottle c) a textbook

12. Which materials make the best shadows? _____

a) translucent objects b) opaque objects c) transparent objects

13. When you move light closer to an object its shadow gets _____.

a) smaller b) bigger c) stays the same

14. When you predict that something will occur, you are making an _____.

a) educated guess b) an assumption c) a falsehood

15. The opposite of 'light from the Sun' – or 'natural light' would be _____.

a) artificial light b) unnatural light c) imaginary light

C. Please write True or False in the spaces provided. (10 marks)

1. A mirror is a shiny object that allows us to see ourselves. _____
2. The light from the Sun contains all the colors of the rainbow. _____
3. Scientists believe that the 'way a food looks to our eyes' will affect how the food tastes to us. _____
4. It was a little bit scary moving around the room with a blindfold on. _____

5. The word 'Ambulance' is often written backwards on the front of actual ambulances so car drivers (**in front of the ambulance**) know it's coming. _____
6. Periscopes are standard equipment on submarines. _____
7. We can use the size and direction of a shadow to tell the time of day. _____
8. Shortest shadows occur at midday because the Sun is right above you. _____
9. We can describe how bright a light is with words like **glowing** and **intense**. _____
10. Light meters are **not** used to measure the brightness of electric bulbs. _____

Final Score _____ /20 (40 divided by 2)

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