

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 refraction
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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