

Ek Burapa School
G6 OIC Science Final Exam – February 2026.

Name: _____ **Grade:** 6 / _____ **No:** _____ **Date:** _____ /02/2026.

Unit 4 “Electrical Circuits” and Unit 5 “Adaptations” OIC Science – 2nd Edition
(This exam consists of 4 pages) **Score:** _____ / **20** (40 divided by 2)

A. Choose a word from the Word Box and enter it on the line: (15 marks)

translucent	silhouette	Fossils	ancestors	identical	series	copper
99.9	characteristics	X gold	inherited	danger	parallel	fuse

1. There is a tiny amount of this precious metal in our smart phones - _____.
2. An object is said to be _____ when **some light** passes through it.
3. The metal most used in household wiring is _____ because of it's low cost.
4. A device used to control 'electric surges' by 'breaking' or 'failing'- _____.
5. Relatives from our distant past that have affected our traits are _____.
6. The symbol used in circuit diagrams to depict a 'lightbulb' - _____.
7. In the 1700s a new way of making pictures of people was invented. This shadowy image was called a _____.
8. No 2 individuals within any species can be exactly _____.
9. _____ are made when an imprint of a living thing from long ago hardens into rock.
10. An electrical circuit with 1 path of electric flow is called a _____ circuit.
11. Characteristics obtained from your parents are 'said to be' - _____.
12. Many animals have adapted 'eyes' on the sides of their heads, mainly to detect oncoming _____.
13. Scientists have concluded that _____ percent of all organisms ever to have lived on Earth are now extinct.

14. The shape of your nose, your hair color and your eye color are your _____.

15. An electric circuit with more than 1 path for electricity to follow is termed a _____ circuit.

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

1. Most metals allow electricity to flow through them, and are considered good _____.

- a) resistors b) conductors c) insulators

2. Objects made of wood, rubber and plastic are good _____.

- a) resistors b) conductors c) insulators

3. A voltmeter placed in a circuit where the switch is open will register _____.

- a) five b) unknown c) zero

4. 2 batteries placed in a series circuit should make a single lightbulb _____.

- a) dimmer b) larger c) brighter

5. Light from the Sun (heat) trapped close to the Earth is called The _____.

- a) Ozone Layer b) Greenhouse Effect c) Space Odyssey

6. Excessive cutting of trees without care for the environment - _____.

- a) lumber milling b) axe practice c) deforestation

7. The best word to describe the process of 'adapting' is _____.

- a) unchanged b) growing c) change

8. Some species haven't changed over millions of years because their initial design didn't require much _____.

- a) adaptation b) height c) growth

9. One of 'humans' greatest adaptations is the domestication of _____.

- a) animals b) other people c) farm tools

10. The horse has adapted in very large ways but mostly in it's _____.

- a) running ability b) height c) relationships

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

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

12. It is difficult to understand why certain species adapt, but most species change to _____ survive in their environment.

- a) creatively b) worsely c) better

13. We looked at a cross section of a plug and learned that most of a plug is made of _____ to **insulate** people from electric shock.

- a) plastic/rubber b) paper/rubber c) plastic/wood

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' - _____.

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

C. Please write True or False in the spaces provided.

(10 marks)

1. Humans are not good conductors of electricity. _____
2. Graphite is a good conductor of electricity. _____
3. Some species have adapted an ability to **camouflage** themselves. _____
4. It should be easier for a predator to spot red prey in a green habitat. _____
5. The symbol for a **Voltmeter** in a circuit diagram is a W. _____
6. Electric wires can get hot enough to set fire to paper. _____
7. A resistor in a circuit controls the amount of electricity flowing. _____
8. It could be said that even the 'human brain' has adapted over a long period of time. _____
9. When the Grade 6 students leave EBS for new schools they will have to adapt to their new schools. _____
10. It is difficult to measure the amount of electricity passing through a circuit if the **switch is closed**. _____

Final Score ____ /20 (40 divided by 2)

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