

**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 – 2<sup>nd</sup> 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 its 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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