



**Ek Burapa School**  
**G6 Science Examination, Dec. 2025**

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

Grade: 6/ \_\_\_\_\_

No: \_\_\_\_\_

**Subject: OIC International Primary Science “Electric Circuits & Adaptations”**

Date: \_\_\_\_\_ /12/ 2025.

Score: \_\_\_\_\_ / 20 (50 divided by 2.5)

**A. Adaptations**

Please use words from the word box in the spaces below. (15 marks)

Fossils	reproduce	evolution	offspring	asteroid
aerodynamic	streamlined	Climate Change	walked	height
domesticating	camouflage	characteristics	extinction	changing

1. The word 'adapt' can best be defined as \_\_\_\_\_ to better survive in an environment.
2. Sharks have adapted to **move more efficiently** in the sea. Their shapes are \_\_\_\_\_.
3. A synonym for the word 'streamlined' might be the word '\_\_\_\_\_.'
4. Polar bears **cannot adapt rapidly enough** to the changes in their environment. This has resulted in their near \_\_\_\_\_.
5. An adaptation that many animals use to **hide** in their environment is called \_\_\_\_\_.
6. The phenomenon of \_\_\_\_\_ means that many species will **not have time to adapt**.
7. Human beings have adapted by **farming** and \_\_\_\_\_ **animals** for food.
8. **The scientific idea** of 'adaptation' is closely linked to the **scientific theory** of '\_\_\_\_\_.'
9. Ancestors pass on their physical \_\_\_\_\_ to newer generations of the same species.
10. The \_\_\_\_\_ of a species refers to the '**newborn**' members through reproduction.
11. \_\_\_\_\_ are **evidence** of living things from the past preserved in rocks.
12. Scientists believe that dinosaurs became extinct because of an \_\_\_\_\_ hitting Earth.
13. Scientists believe dolphins and whales may have \_\_\_\_\_ on land millions of years ago.
14. The main way horses have adapted over the past 50 million years is their \_\_\_\_\_.
15. In order to make sure their species **does not die out** each species must \_\_\_\_\_.

**B. Electrical Circuits – True or False**

Please write the letter "T" for True, or the letter "F" for False. (10 marks)

- a. Humans are very good conductors of electricity. \_\_\_\_\_
  - b. If there is a break in an electric circuit the electricity will not flow. \_\_\_\_\_
  - c. One good thing about *insulators* is they stop electricity from flowing into us. \_\_\_\_\_
  - d. Electricity from a 'mains' power source is less powerful than from batteries. \_\_\_\_\_
  - e. Some materials are better conductors of electricity than others. \_\_\_\_\_
  - f. A French scientist named Andre-Marie Ampere invented the ammeter. \_\_\_\_\_
  - g. The graphite in your pencil and 'sea water' are good conductors of electricity. \_\_\_\_\_
  - h. The word 'current' is used to describe both water and electrical flow. \_\_\_\_\_
  - i. Gold is actually a very good conductor of electricity. \_\_\_\_\_
  - j. Copper is not a good conductor of electricity and it is very expensive to use. \_\_\_\_\_

### C. Electric Circuits - Choose The Correct Word

(15 marks)

Choose 1 of the 3 words provided and enter it on the space provided.

1. Many people believe the invention of the \_\_\_\_\_ wasn't only by Thomas Edison.

a) decanter      b) lightbulb      c) time machine

2. A \_\_\_\_\_ is a material that can conduct (carry) electric current from 1 place to another.

a) wire      b) battery      c) switch

3. A \_\_\_\_\_ is an electric device that can 'open' or 'close' an electric circuit.

a) plug      b) switch      c) wire

4. In many electric circuits the source of power is a \_\_\_\_\_.

a) ranger      b) combustible engine      c) battery

5. Many electric circuits use a \_\_\_\_\_ to control the amount of electricity in the circuit.

- a) resistor
- b) dead bolt
- c) battery charger

6. In a 'closed' electric circuit – the lightbulb would be \_\_\_\_\_.

- a) off
- b) on
- c) flickering

7. In an 'open' electric circuit – the lightbulb would be \_\_\_\_\_.

- a) off
- b) on
- c) flickering

8. Batteries have both \_\_\_\_\_ and negative terminals.

- a) neutral
- b) neutron
- c) positive

9. The amount of electric current that is flowing through a circuit can be called the \_\_\_\_\_.

- a) voltage
- b) control factor
- c) resistor

10. Overhead cables are made of \_\_\_\_\_ because it is strong and lasts a long time.

- a) aluminum
- b) gold
- c) copper

11. A \_\_\_\_\_ circuit has 2 or more paths for electric current to flow through.

- a) series
- b) parallel
- c) switch

12. \_\_\_\_\_ are good insulators and are used to cover wires, plugs and switches.

- a) metals
- b) Plastics
- c) cloths

13. A \_\_\_\_\_ is an idea based on ideas or results that you have learned before.

- a) guess
- b) prediction
- c) random thought

14. In a circuit with many 'lightbulbs' and 1 battery - will the 'brightness' of each bulb be affected by adding additional lightbulbs? \_\_\_\_\_
- a) yes      b) no      c) we can't say

15. What 'letter' of the alphabet is used to illustrate a lightbulb on a circuit drawing? \_\_\_\_\_
- a) T      b) X      c) Q

**D. Both – Adaptations & Electric Circuits**

**Choose 1 of the 2 words provided and enter it on the line. (10 marks)**

1. The \_\_\_\_\_ (iguana, giraffe) has adapted an unusually long neck to acquire food from tall trees.
2. All human beings *must* to find a way to adapt to \_\_\_\_\_ (Global Warming, homework).
3. The more \_\_\_\_\_ (fossil fuels, sand) we use, the less there will be for the future.
4. As the population of man increases, so will his need for \_\_\_\_\_ (water, fossil fuels).
5. Scientists can learn a lot about ancient habitats by studying \_\_\_\_\_ (fossils, oxygen).
6. Scientists can create \_\_\_\_\_ (photos, moulds) of dinosaur footprints made 150 million years ago.
7. A Voltmeter measures \_\_\_\_\_ (voltage, insulation) – the amount of electricity in a circuit.
8. Various, different \_\_\_\_\_ (symbols, photos) are used to identify parts of a circuit.
9. A \_\_\_\_\_ (series, parallel) circuit has only one path of electric current through it.
10. A battery is a collection of smaller power units called \_\_\_\_\_ (cells, amperes).

Final Score \_\_\_\_\_ /20 (50 divided by 2.5)

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