



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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