## **CONTENT PER TERM**

# NATURAL SCIENCE

### **GRADE 7**

#### TERM 1

Photosynthesis • Nutrition • Food processing • Ecosystems •

#### TERM 2

Properties of Materials
Separation of Mixtures
Acids, Bases & Neutrals
The Periodic Table
Sexual Reproduction

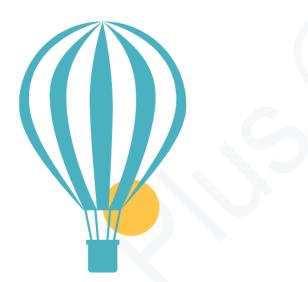
#### TERM 3

Non-renewable Energy • Renewable Energy • Potential Energy • Kinetic Energy •
 Energy Systems & the Law of Conservation of Energy • Heat Transfer • Electric Circuits •
 Circuit Diagrams • Electrical Conductors & Insulators • Insulation & Energy Saving •
 • The National Electricity Supply System •

### TERM 4

Solar Energy & The Earth's Axis • The Earth's Seasons • Solar Energy & Life on Earth •
 • The Moon's Relationship with the Earth • Historical Development of Astronomy •
 • Modern Developments •

# <u>EXAMPLE:</u> EXTRACT FROM A TEST PAPER



# NATURAL SCIENCE

**GRADE 7** 

### TERM 1

• Photosynthesis • Nutrition • Food processing • Ecosystems •

PLEASE NOTE:

Endothermic = Warm-blooded

**Ectothermic = Cold-blooded** 

(Remember e<u>C</u>tothermic is <u>C</u>old-blooded)

### Section A | Multiple Choice

- 1. Circle the correct answer:
  - 1.1 What is the definition of biodiversity?
    - A) The diversity of people on Earth
    - B) The diversity of living organisms on Earth
    - C) The diversity of habitats on Earth
    - D) The diversity of climate zones on Earth
  - 1.2 What is a taxonomist?
    - A) A scientist or biologist who studies and classifies living organisms
    - B) A specialist in climate change
    - C) A person who specializes in classroom decor
    - D) A researcher of ancient organisms
  - 1.3 What is the purpose of a classification system?
    - A) To monitor the weather
    - B) To group living organisms into categories based on similar characteristics
    - C) To organise music genres
    - D) To document historical events
  - 1.4 What is the smallest division in the classification system?
    - A) Phylum
    - B) Order
    - C) Species
    - D) Family
  - 1.5 What is a characteristic of plants?
    - A) They can photosynthesize
    - B) They are all cold-blooded
    - C) They have hair or fur covering their bodies
    - D) They cannot move
  - 1.6 What is the main feature that distinguishes birds from other vertebrates?
    - A) They have hair or fur covering their bodies
    - B) They have scales
    - C) They have wings
    - D) They have fins

- 1.7 Which animal is an example of a reptile?
  - A) Frog
  - B) Fish
  - C) Crocodile
  - D) Whale
- 1.8 What characteristic distinguishes humans from other mammals?
  - A) They walk on two legs
  - B) They are cold-blooded
  - C) They live in the water
  - D) They have a hard exoskeleton
- 1.9 What is the function of gills in fish?
  - A) To walk
  - B) To breathe
  - C) To swim
  - D) To catch food
- 1.10 What is another term for vertebrates?
  - A) Warm-blooded organisms
  - B) Animals with a backbone
  - C) Organisms without a backbone
  - D) Cold-blooded organisms
- 1.11 What is the main characteristic of reptiles?
  - A) They have an exoskeleton
  - B) They are cold-blooded
  - C) They cannot move
  - D) They have short, stout bodies
- 1.12 What is the main characteristic of amphibians' skin?
  - A) It is dry and scaly
  - B) It is covered with hair
  - C) It is moist and naked
  - D) It is hard and scaly
- 1.13 Which one of the following is classified as invertebrates?
  - A) Fish
  - B) Amphibians
  - C) Reptiles
  - D) Insects