

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 •

EXAMPLE:

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 eCtothermic is Cold-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