

**Student Name:** \_\_\_\_\_**Class:** \_\_\_\_\_**Student ID:** \_\_\_\_\_**Date:** {{DATE}}

## Assessment Details

<b>Duration:</b> 30 minutes	<b>Total Marks:</b> 60
<b>Topics Covered:</b>	<ul style="list-style-type: none"><li>• Introduction to General Science</li><li>• Scientific Method</li><li>• Experimentation</li></ul>

## Instructions to Students:

1. Read all questions carefully before attempting.
2. Show all working out - marks are awarded for method.
3. Calculator use is permitted except where stated otherwise.
4. Write your answers in the spaces provided.
5. If you need more space, use the additional pages at the end.
6. Time management is crucial - allocate approximately 1 minute per mark.

Section A: Multiple Choice [20 marks]

Question 1

[2 marks]

What is the process called when plants make their own food from sunlight?

A) Respiration

B) Photosynthesis

C) Decomposition

D) Fermentation

Question 2

[2 marks]

Which of the following is an example of a living thing?

A) Rock

B) Chair

C) Tree

D) Car

Question 3

[2 marks]

What is the scientific method used for?

A) To prove a theory

B) To disprove a hypothesis

C) To ask questions and find answers

D) To conduct experiments only

**Question 4**

**[5 marks]**

Describe the importance of water in the environment.

**Question 5**

**[5 marks]**

What is the difference between a producer and a consumer in an ecosystem?

**Question 6**

**[5 marks]**

Explain the concept of adaptation in animals.

### Section C: Interactive Quiz [20 marks]

This interactive quiz consists of 5 questions that will be displayed on a screen. Students will have to answer each question by selecting the correct answer from a list of options.

#### Question 7

[4 marks]

What is the primary function of the scientific method?

A) To prove a theory

B) To disprove a hypothesis

C) To ask questions and find answers

D) To conduct experiments only

#### Question 8

[4 marks]

What is the importance of experimentation in science?

A) To prove a theory

B) To disprove a hypothesis

C) To ask questions and find answers

D) To conduct experiments only

#### Question 9

[4 marks]

What is the difference between a hypothesis and a theory?

A) A hypothesis is a proven fact, while a theory is an unproven idea

B) A hypothesis is an unproven idea, while a theory is a proven fact

C) A hypothesis and a theory are the same thing

D) A hypothesis is a question, while a theory is an answer

#### Question 10

[4 marks]

What is the importance of peer review in science?

A) To prove a theory

B) To disprove a hypothesis

C) To ask questions and find answers

D) To ensure the validity and reliability of research findings

### Question 11

[4 marks]

What is the role of a scientist in society?

A) To prove a theory

B) To disprove a hypothesis

C) To ask questions and find answers

D) To contribute to the advancement of knowledge and improve the human condition









