MeerkatSkool

PRACTICE TEST

Practice test · Term 1
Version 1.6 · 21 October 2026

Natural Sciences · Grade 7

Life and Living

Term 1 | 6 questions | CAPS-aligned

TOTAL 42 MARKS

NAME AND SURNAME _____ CLASS _____ DATE _____

Instructions

1. This question paper consists of SIX questions. Answer all the questions.
2. Answer all the questions on the question paper itself, in the spaces provided.
3. Read each question carefully before you begin writing.
4. Write neatly and legibly. Work that cannot be read cannot be marked.
5. You may use a pencil and a ruler for drawings and diagrams.

Question	Content of the question	Marks	Obtained
1	Multiple choice	3	
2	Matching	4	
3	Terminology	4	
4	Case study	18	
5	Diagrams	4	
6	Longer questions	9	
	Total	42	
	Percentage		%

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1 Multiple choice

3 marks

Choose the correct answer and circle its letter.

PRACTICE EXAMPLE · DO THIS ONE TOGETHER FIRST

Which one is a living thing?

a A stone b A tree c A chair

A tree grows, feeds and breathes, so the answer is b. Circle the b.

This example does not count for marks. It only shows you how to answer.

1.1 The smallest unit of life is the: **(1)**

(a) tissue (b) cell (c) organ

1.2 Which part of a plant cell gives it its rigid shape? **(1)**

(a) cell membrane (b) nucleus (c) cell wall

1.3 The transfer of pollen to the stigma is called: **(1)**

(a) pollination (b) fertilisation (c) germination

2 Matching

4 marks

Match the description in COLUMN A with the correct word in COLUMN B. Write only the LETTER. One word is left over.

2.1 **(4)**

COLUMN A	COLUMN B	Answer
1. The joining of the male cell from a pollen grain with the egg cell in a flower	A. Chloroplast	1 = _____
2. Cells of the same kind working together	B. Atom	2 = _____
3. The green structure in a plant cell where food is made	C. Tissue	3 = _____
4. The variety of life in an area	D. Fertilisation	4 = _____
	E. Biodiversity	

3 Terminology

4 marks

3.1 Write the correct term next to each description. **(4)**

Description	Term
The process by which a plant makes its own food	
The part of the stamen that produces pollen	
A group of organisms that can breed with one another to produce fertile offspring	
Sorting living things into groups	

4 Case study

18 marks

SOURCE A · THE SCHOOL VEGETABLE GARDEN

The Grade 7 class planted a vegetable garden. They planted spinach in two beds.

Bed 1 stands in full sun. Bed 2 stands under a large tree and gets about two hours of sun a day.

After six weeks the spinach in Bed 1 was on average 24 cm tall with dark green leaves. Bed 2's plants were 9 cm tall with pale, yellow leaves.

Both beds had the same soil, the same compost and the same amount of water.

An investigation by the Grade 7 class.

4.1 Which ONE variable differed between the two beds? **(2)**

4.2 Name THREE things that were kept the same. **(3)**

4.3 Explain why Bed 2's plants were pale and yellow. **(3)**

4.4 Write down the word equation for photosynthesis. **(3)**

4.5 Why was it important that both beds received the same water? **(2)**

4.6 The class wants to repeat the test. Name TWO things they should do to make the result more reliable. **(2)**

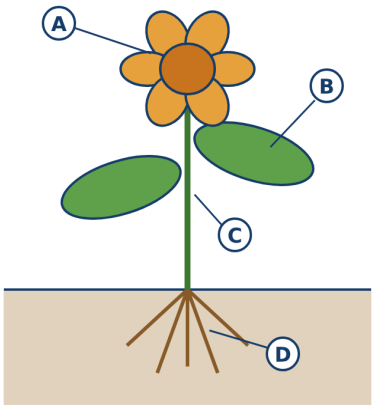
4.7 Which part of the plant takes up water, and which part makes the food? **(2)**

4.8 Name ONE other factor that can affect plant growth. **(1)**

5 Diagrams

4 marks

5.1 Study the plant below and name the parts A to D. **(4)**



A: _____ B: _____

C: _____ D: _____

6 Longer questions

9 marks

6.1 Each of these animals belongs to one of five classes: fish, amphibians, reptiles, birds or mammals. Write the class of each animal. **(4)**

Animal	Class
Frog	
Snake	
Bat	
Shark	

6.2 Name THREE ways seeds are dispersed, with an example of each. **(3)**

6.3 Explain why biodiversity matters to an ecosystem. **(2)**

Total **42 marks**



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