

SMARTWIZ

GRADE 4 NATURAL SCIENCE EXAM

MARKS: 50

MARKS	

TIME: 1 hour

SCHOOL _____

CLASS (e.g. 4A) _____

SURNAME _____

NAME _____

MYST PATHWORKS

Instructions for Students:

- > Read all instructions carefully before beginning the exam.
 - > Write your name and student ID clearly on the answer sheet/booklet.
 - > Answer all questions unless otherwise stated.
 - > Show all your work/calculations where applicable.
 - > Write clearly and legibly.
 - > Use blue or black ink only. * Do not use correction fluid/tape.
 - > No electronic devices (calculators, phones, etc.) are allowed unless explicitly permitted.
 - > Raise your hand if you have any questions.
 - > Do not talk to other students during the exam.
 - > Any form of cheating will result in disqualification.
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QUESTION 1: TRUE OR FALSE (5 marks)

Write **True** or **False** next to each sentence.

1. Plants make their own food using the sun.

2. Birds use fins to swim.

3. All animals need food and water to live.

4. The moon is a source of light.

5. Soil helps plants grow strong.

MYST PATHWORKS

QUESTION 2: MULTIPLE CHOICE (10 marks)

Circle the correct answer.

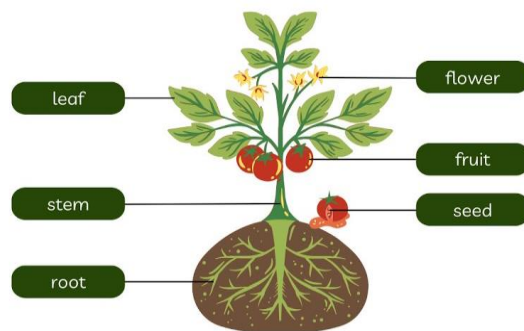
1. What do plants take in from the air?
 - a) Water
 - b) Oxygen
 - c) Carbon dioxide
 - d) Wind
2. What do roots do for a plant?
 - a) Help it to fly
 - b) Make flowers
 - c) Take in water
 - d) Give light
3. Which is an example of a liquid?
 - a) Rock
 - b) Water
 - c) Sand
 - d) Air
4. Which organ helps humans to breathe?
 - a) Heart
 - b) Brain

- c) Lung
- d) Stomach
- 5. What do all animals need to survive?
 - a) Clothes
 - b) Shelter, water, food
 - c) Toys
 - d) Paper

QUESTION 3: DIAGRAMS (10 marks)

3.1. Label this diagram of a plant. (5 marks)

PARTS OF THE PLANT

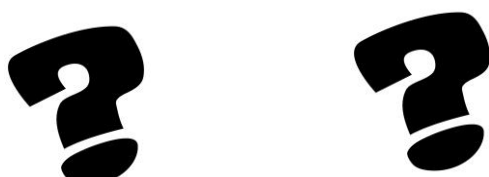


1. _____
2. _____
3. _____
4. _____
5. _____

3.2. Draw and label one source of energy. (5 marks)

Example: the sun, fire, electricity, battery.
(Draw in the box and label it clearly.)

Your drawing:



QUESTION 4: FILL IN THE BLANKS (10 marks)

Choose the correct word from the box. Use each word only once.

[sun, breathe, energy, seed, food]

1. The _____ gives light and heat.

2. We need air to _____.

3. A plant starts growing from a _____.

4. Plants get _____ from sunlight.

5. We eat plants to get _____.

QUESTION 5: SHORT WRITTEN ANSWERS (15 marks)

1. Name **TWO things** that plants need to grow. (2 marks)

2. Why is water important to animals? (2 marks)

3. Name **TWO animals that lay eggs**. (2 marks)

4. What does the stem of a plant do? (2 marks)

5. What would happen if there was **no sunlight** for plants? (2 marks)

6. Give **TWO ways** people use water in the home. (2 marks)

7. Which organ helps you to hear? (1 mark)

✓ **TOTAL: 50 MARKS**



✓ MEMO: GRADE 4 NATURAL SCIENCE EXAM PAPER

QUESTION 1: TRUE OR FALSE (5 marks)

1. True
2. False
3. True
4. False
5. True

(1 mark each = 5 marks)

QUESTION 2: MULTIPLE CHOICE (10 marks)

1. c) Carbon dioxide
2. c) Take in water
3. b) Water
4. c) Lung
5. b) Shelter, water, food

(2 marks each = 10 marks)

QUESTION 3: DIAGRAMS (10 marks)

3.1 Label the plant diagram (5 marks)

Labels may include (based on standard plant diagram):

1. Flower
2. Leaf
3. Stem
4. Roots
5. Fruit (or Seed, if applicable)

(1 mark each = 5 marks)

3.2 Draw and label 1 source of energy (5 marks)

Acceptable drawings with correct labels:

- Sun

- Fire
- Battery
- Electrical plug

(2 marks for drawing, 3 marks for correct label and neatness)

QUESTION 4: FILL IN THE BLANKS (10 marks)

1. sun
2. breathe
3. seed
4. energy
5. food

(2 marks each = 10 marks)

QUESTION 5: SHORT WRITTEN ANSWERS (15 marks)

1. Water, sunlight, air, soil (any 2)
(2 marks)
 2. Water keeps them hydrated and helps with digestion or body temperature.
(2 marks)
 3. Bird, fish, frog, chicken, snake, crocodile (any 2)
(2 marks)
 4. The stem carries water to the leaves and supports the plant.
(2 marks)
 5. Plants would die / not grow / cannot make food (photosynthesis stops).
(2 marks)
 6. Drinking, cooking, washing, cleaning, watering plants (any 2)
(2 marks)
 7. Ear
(1 mark)
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✓ **TOTAL: 50 MARKS**