



1. Fill in the missing words.

- a. Plants and animals are examples of \_\_\_\_\_.
- b. Germs are very small, they can only be seen through a \_\_\_\_\_.
- c. Some living things look like they are non-living, they just wait for the correct \_\_\_\_\_ and \_\_\_\_\_ to become living.
- d. A mouse uses it's tail like a \_\_\_\_\_ to regulate it's \_\_\_\_\_.
- e. Different animals move differently because they have different \_\_\_\_\_.
- f. All animals have \_\_\_\_\_ on their bodies.
- g. The place where a plant or animal lives, is called it's \_\_\_\_\_.
- h. Animal shelters are \_\_\_\_\_.

2. What do we call the smallest living thing?

\_\_\_\_\_

3. How can we compare plants?

\_\_\_\_\_

4. State if the following is True or False.

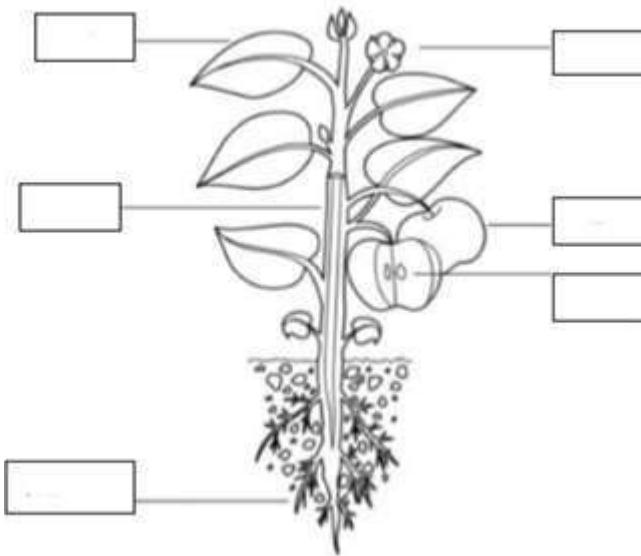
- a. There are many different size living things. \_\_\_\_\_
- b. Animal shelters are all the same shape and size. \_\_\_\_\_
- c. Some non-living things can't do anything, and some can do the things that living things do. \_\_\_\_\_
- d. Some living things look like they are non-living for example seeds, eggs and dry yeast. \_\_\_\_\_
- e. Mice lose heat through their noses when it is warm. \_\_\_\_\_
- f. Animals have different shapes, sizes, body covering and senses \_\_\_\_\_
- g. Animals can be different shapes. \_\_\_\_\_
- h. All flower plants can grow from seeds. \_\_\_\_\_
- i. Each habitat has the same combination of plants, animals and climate. \_\_\_\_\_

5. Explain the following words.

- a. LIST  
\_\_\_\_\_  
\_\_\_\_\_

**BASIC STRUCTURE OF A PLANT**

1. Label the following picture by filling in the correct parts of the plant: flower, leaf, stem, fruit, seeds, roots.



2. What is the function of the roots?

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3. What is the function of the stem?

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4. What is the function of the leaves?

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5. What is the function of the flowers?

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**QUESTION 1**

1. Choose the correct answer.

1.1. Feeding means

- a. To take in oxygen
- b. To buy something
- c. To live
- d. To eat

1.2. Name one of the life processes that an aeroplane can do.

- a. Excretion
- b. Feeding
- c. Reproduction
- d. Movement

1.3. Flowers are important to plants because they...

- a. Make food for the plant.
- b. Absorb water and nutrients from under the ground
- c. Can be found under the ground
- d. Produce fruit and seeds

1.4. A scorpion uses it's ... to sting it's prey with poison.

- a. Head
- b. Tail
- c. Legs
- d. Eyes

1.5. Which animal lives on land and in the water?

- a. Fish
- b. Bird
- c. Frog
- d. Lion



# LS OPSOMMINGS SUMMARIES

NATURAL SCIENCE

TERM 1

TEST 4

GRADE 4

**QUESTION 1**

Complete the following table by filling in the missing term or definition.

Term	Definition
Grow	Living things grow and become adults.
<b>1.1.</b>	Having babies.
Feeding	1.2.
Movement	Living things can move.
<b>1.3.</b>	Living things need air.
Excretion	1.4.
<b>1.5.</b>	1.6. Used to observe the environment.

**QUESTION 2**

2. Answer the following questions.

2.1. What are the very small living things called that can make you sick?

\_\_\_\_\_

2.2. A seed looks non-living, but it can grow. Name two things plants need to grow after it has been planted.

\_\_\_\_\_

\_\_\_\_\_

2.3. Can non-living things carry out the seven life processes?

\_\_\_\_\_

2.4. What do we call it when a chicken breaks through its shell in which it was growing?

\_\_\_\_\_

2.5. Name the parts of a plant.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# LS OPSOMMINGS SUMMARIES

NATURAL SCIENCE

TERM 1

TEST 5

GRADE 4

## QUESTION 1

State if the following statements are True or False.

- 1.1. There are 3 types of living things. \_\_\_\_\_
- 1.2. All living things are the same. \_\_\_\_\_
- 1.3. Some living thing cannot be seen with the naked eye. \_\_\_\_\_
- 1.4. Germs are very big. \_\_\_\_\_
- 1.5. Plants and people can grow. \_\_\_\_\_
- 1.6. A seedling is a new plant that grows when a seed germinates. \_\_\_\_\_
- 1.7. Plants can only grow out of seeds \_\_\_\_\_
- 1.8. Plants only need heat and light to grow. \_\_\_\_\_
- 1.9. The radicle is the first root that grows out of a seedling. \_\_\_\_\_
- 1.10. The part we cut off from a plant to make a new plant is called the small plant. \_\_\_\_\_
- 1.11. All living things need oxygen, just like plants. \_\_\_\_\_
- 1.12. The first shoot that grows out of a seedling is called the plumule. \_\_\_\_\_

## QUESTION 2

Look at the picture and answer the questions below.



- 2.1. Are the animals in this picture living things?

\_\_\_\_\_



**QUESTION 1**

Complete the following table by filling in the missing term or definition.

Term	Definition
<b>Grow</b>	Living things grow up.
<b>1.7.</b>	They have babies.
<b>Feeding</b>	<b>1.8.</b>
<b>Movement</b>	Living things can move.
<b>1.9.</b>	Living things can breathe.
<b>Excretion</b>	<b>1.10.</b>
<b>1.11.</b>	Sense organs to observe the environment.

**QUESTION 2**

Answer the following questions.

2.6. What do we call very small things that can cause you to get sick?

\_\_\_\_\_

2.7. A seed looks non-living. Name two things that a plant needs to grow after it has been planted.

\_\_\_\_\_

2.8. Can non-living things carry out the 7 life processes?

\_\_\_\_\_

2.9. What do we call it when a chicken breaks out of the egg it has been growing in?

\_\_\_\_\_

2.10. Name the 7 life processes and explain what each one is.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

2.11. Explain what life processes are.

\_\_\_\_\_





**QUESTION 1**

Answer the following questions

1.1. List the 7 life processes of living things

_____	_____
_____	_____
_____	_____
_____	_____

1.2. Group the words in the wordbank under living or non-living things.

Oxygen	Cow	Sun	Water	Grass	Snake	Rose	Egg
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Living things	Non-living things

1.3. When does a living thing become a non-living thing?

\_\_\_\_\_

\_\_\_\_\_

1.4. "Some things look dead, but they become alive under the right circumstances." Say why this statement is correct and give an example of how it works.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# LS OPSOMMINGS SUMMARIES

**NATURAL SCIENCE**

**TERM 1**

**TEST 8**

**GRADE 4**

**QUESTION 1**

Look at the pictures and list them under living or non-living things in the table below.



Living things	Non-living things

**QUESTION 2**

Answer the following questions.

2.1. Name 5 ways plants can be different from each other.

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**QUESTION 1**

Answer the following questions.

1.1. What is a habitat?

\_\_\_\_\_

\_\_\_\_\_

1.2. Why do grassland habitats have a lot of grass and a few trees?

\_\_\_\_\_

\_\_\_\_\_

1.3. What do plants need to make their own food?

\_\_\_\_\_

1.4. What do you think will happen to a plant if you put it in a dark cupboard, and why do you think this will happen?

\_\_\_\_\_

1.5. Name the habitat where the following animals live in:

A. Elephant: \_\_\_\_\_

B. Otter: \_\_\_\_\_

C. Lion: \_\_\_\_\_

1.6. Complete the table by filling in the correct option in the column provided.

	<b>Natural or man-made</b>	<b>Frame or shell structure</b>
<b>Bird cage</b>		
<b>Spider web</b>		
<b>Tortoise shell</b>		

1.7. Name the 7 life processes.

\_\_\_\_\_

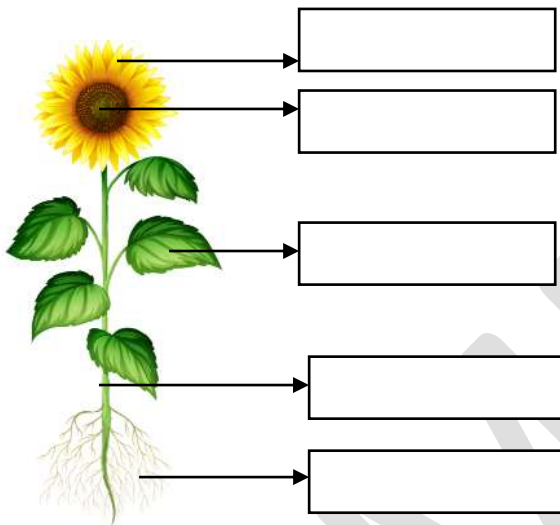
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**QUESTION 1**

Label the parts of the plant and answer the questions that follow.



1.1. What is the function of the roots?

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1.2. What is the function of the stem?

---

1.3. What is the function of the leaves?

---

1.4. What is the function of flowers?

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1.5. What is the function of fruit?

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**QUESTION 1**

Answer the following questions.

1.1. Name the 7 life processes of living things.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1.2. Define the term a non-living thing.

\_\_\_\_\_

\_\_\_\_\_

1.3. Circle the correct letter of things that look dead but are alive under the right conditions.

- a. Eggs
- b. Rocks
- c. Sunflower seeds
- d. Book
- e. Acorn
- f. Sand

1.4. Name 3 things that must be present for a plant to grow.

\_\_\_\_\_

1.5. Name and describe 3 types of habitats:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1.6. Describe what a habitat is.

\_\_\_\_\_

\_\_\_\_\_

# LS OPSOMMINGS SUMMARIES

## NATURAL SCIENCE GRADE 4 TERM 2 TEST 1

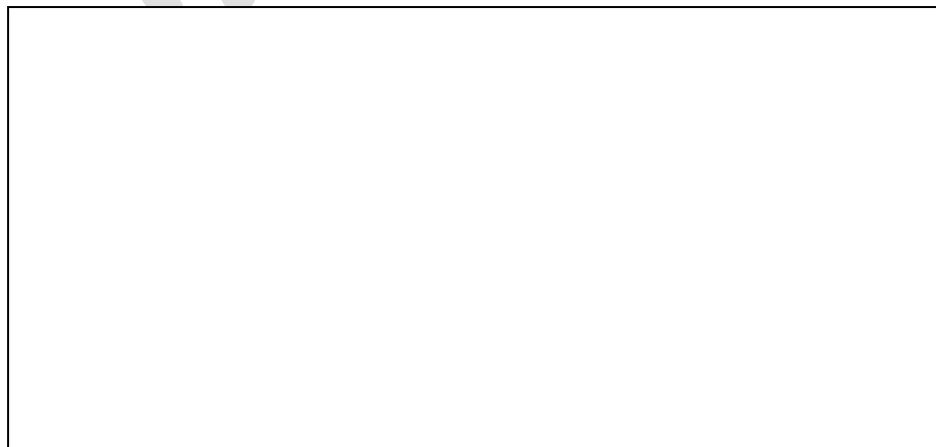
1. Arrange the materials into groups of solids, liquids and gasses. Use the pictures below to complete the table.

SOLIDS	LIQUIDS	GASSES

<b>Tree branch</b> 	<b>Rock</b> 	<b>Plastic cup</b> 	<b>Scarf</b> 	<b>Water</b> 
<b>Juice</b> 	<b>Tea</b> 	<b>Cooking oil</b> 	<b>Cooking gas</b> 	<b>Balloon</b> 

2. Draw the water cycle and label the picture.

Sun	Lake	Clouds	Condensation	Evaporation
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NATURAL SCIENCE      GRADE 4      TERM 2      TEST 2

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1. Are the following statements True or False?
  - a. Solids can change their shape. \_\_\_\_\_
  - b. Frozen water is a solid. \_\_\_\_\_
  - c. The biggest part on Earth is covered with liquid water. \_\_\_\_\_
  - d. Gasses have a specific shape. \_\_\_\_\_
  - e. Water vapour is invisible, it cannot be seen. \_\_\_\_\_
  - f. No new water is added to the existing water on Earth. \_\_\_\_\_
  
2. What do we call frozen water?  
\_\_\_\_\_
  
3. At which temperature will ice stay ice?  
\_\_\_\_\_
  
4. Fill in the missing word.
  - a. A liquid will take the \_\_\_\_\_ of the container.
  - b. Gas expands to fill the \_\_\_\_\_ it is in.
  - c. The air in a balloon is a \_\_\_\_\_.
  - d. Solid changes to a liquid when \_\_\_\_\_ is added to it.
  
5. What do we call the air around us?  
\_\_\_\_\_

# LS OPSOMMINGS SUMMARIES






## NATURAL SCIENCE GRADE 4 TERM 2 TEST 3

### QUESTION 1

1. Choose if the following characteristics are a solid, liquid or gas. (Make a checkmark under the right option).

Characteristic	Solid	Liquid	Gas
Water in a glass			
Steam from a pot			
Ice			
Rocks			
Coldrink in a can			
Air			
Rain			
Oxygen			
Wood table			
T-shirt			
Water in a bottle			
Exhaust gas			

- 1.2. Identify and mark if the following are raw or manufactured materials.

	RAW MATERIALS	MANUFACTURED MATERIALS
<b>Apple</b> 		
<b>Glass</b> 		
<b>Feathers</b> 		
<b>Leather</b> 		
<b>Diamond</b> 		



**QUESTION 1**

Underline the correct answer.

1.1. This part of a plant changes into a fruit.

- a. Stem
- b. Root
- c. Flower
- d. Seed

1.2. Only \_\_\_\_\_ eggs can become birds.

- a. Non fertilized
- b. Half fertilized
- c. Fertilized
- d. White

1.3. The basic structure of a plant is the root, stem, flowers and \_\_\_\_\_.

- a. Soil
- b. Leaves
- c. Oxygen
- d. Summer

1.4. Plants need water, sunlight and \_\_\_\_\_ to grow.

- a. Dust
- b. Breathing
- c. Leaves
- d. Soil

1.5. A warthog has a \_\_\_\_\_ in the ground.

- a. Babies
- b. Hole
- c. Predator
- d. Grassland



NATURAL SCIENCE      GRADE 4      TEST 5      TERM 2

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**QUESTION 1**

Fill in the missing words.

- 1.1 Everything on Earth and in the atmosphere consists of \_\_\_\_\_.
- 1.2 Different forms of matter that is useful to us, are called \_\_\_\_\_.
- 1.3 Materials around us are called \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
- 1.4 All matter and materials consist of many small \_\_\_\_\_.

**QUESTION 2**

Complete the table below.

Material	Solid	Liquid	Gas
2.1. Wood			
2.2 Gas for cooking			
2.3 Plastic			
2.4. Water			
2.5 Rock			
2.6 Cooking oil			
2.7. Tea			
2.8. Steam			
2.9. Apple			
2.10. Factory fumes			

**QUESTION 3**

Answer the following questions.

- 3.1. Name the 3 states of matter.

\_\_\_\_\_

- 3.2. Name 3 characteristics of solids.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



**QUESTION 1**

Answer the following questions.

1.1. Explain what liquids are.

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1.2. What is triangulation?

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1.3. What is glass made from?

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1.4. What is paper made from?

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1.5. Name the raw materials used to make ceramics.

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1.6. Name the 3 states of matter.

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1.7. Explain how paper is made.

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# OPSOMMINGS SUMMARIES

## NATURAL SCIENCE GRADE 4 TEST 7 TERM 2

### QUESTION 1

Fill in the missing words.

1.1. A solid first changes to a \_\_\_\_\_ when it is heated, then the \_\_\_\_\_ changes to a \_\_\_\_\_ when it is heated further.

1.2. A gas first changes to a liquid when it \_\_\_\_\_, then the liquid changes to a \_\_\_\_\_ when it cools down even more.

### QUESTION 2

2.1. A gas has no fixed shape and can move around freely. \_\_\_\_\_

2.2. You can see, feel and smell all gasses. \_\_\_\_\_

### QUESTION 3

Arrange the pictures in the table below.



Solid	Liquid	Gas

### QUESTION 1

Fill in the missing words.

- 1.1. \_\_\_\_\_ makes up all the \_\_\_\_\_ that exist on Earth.
- 1.2. A gas has no \_\_\_\_\_ but it takes up \_\_\_\_\_.
- 1.3. Liquids take the \_\_\_\_\_ of the \_\_\_\_\_.
- 1.4. A liquid \_\_\_\_\_ when it changes to a solid.
- 1.5. A solid \_\_\_\_\_ when it changes to a liquid.

### QUESTION 2

State if the following is True or False

- 2.1. Flow is how a liquid moves and spreads out. \_\_\_\_\_
- 2.2. Temperature is measure in mm. \_\_\_\_\_

### QUESTION 3

Look at the flow diagram below, explain what happens to the water.




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### QUESTION 4

Define the following words.

- 4.1. Raw:

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**QUESTION 1**

Give one word for the following:

- 1.1. Any type of solid, liquid or gas. \_\_\_\_\_
- 1.2. Three forms of matter. \_\_\_\_\_
- 1.3. Something with a fixed shape. \_\_\_\_\_
- 1.4. When a solid gains heat and becomes a liquid. \_\_\_\_\_
- 1.5. Temperature when materials start to melt. \_\_\_\_\_
- 1.6. When gasses changes to liquids. \_\_\_\_\_
- 1.7. When a liquid loses heat, it changes to a solid. \_\_\_\_\_
- 1.8. The measurement of how hot or cold something is. \_\_\_\_\_

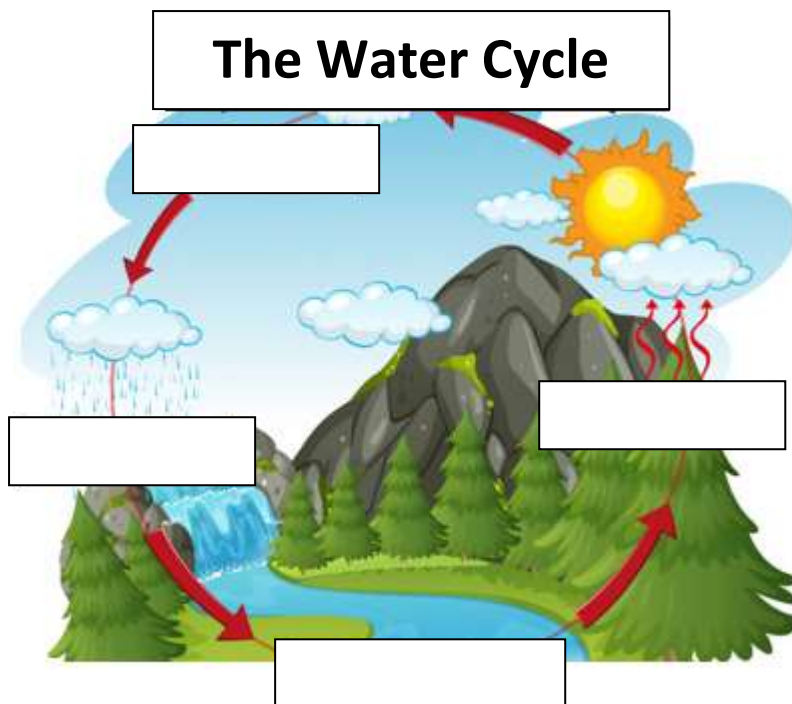
**QUESTION 2**

- 2.1. Explain the process of the water cycle.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- 2.2. Explain with the help of examples, the difference between raw and manufactured materials.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- 2.3. Explain the characteristics of the following objects.
  - A. Rain coat: \_\_\_\_\_
  - B. Bath sponge: \_\_\_\_\_
  - C. Brick: \_\_\_\_\_



**QUESTION 4**

Label the following picture.



**QUESTION 5**

Explain the following terms:

5.1. **Condensation:**

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5.2. **Solidify:**

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5.3. **Temperature:**

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5.4. **Change of state:**

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**QUESTION 1**

Explain the following terms.

1.1. Melt:

\_\_\_\_\_

\_\_\_\_\_

1.2. Evaporation:

\_\_\_\_\_

\_\_\_\_\_

1.3. Condensation:

\_\_\_\_\_

\_\_\_\_\_

1.4. Solidify:

\_\_\_\_\_

\_\_\_\_\_

**QUESTION 2**

Make use of the following diagram to answer the questions.

2.1. Fill in the empty spaces on the water cycle:

