

Year 3 Science

End of Unit 1 Revision Sheet

Living Things and Plants

Name: _____	Class: _____ Date: _____
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Question 1: Mrs Gren

All living things do seven things. Complete the table using the word bank.

Word bank: Growth Nutrition Movement Excretion Respiration Reproduction Sensitivity
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Letter	Life process	What it means
M		Moving all or part of the body
R		Getting energy from food (breathing)
S		Noticing and reacting to things around them
G		Getting bigger
R		Making new living things (babies or seeds)
E		Getting rid of waste
N		Taking in food and water

Question 2: Match it!

Draw a line to match each sentence to the life process it shows.

A puppy gets bigger and taller. •		• Nutrition
A cat runs after a ball. •		• Sensitivity
A girl eats an apple for lunch. •		• Growth
A hen lays eggs. •		• Reproduction
A plant turns its leaves towards the light. •		• Movement

Question 3: Living or non-living?

Sort these things into the correct column.

Word bank: tree rock fish car mushroom teddy bear bird chair
 flower robot boy water

Living	Non-living

Question 4: Think like a scientist

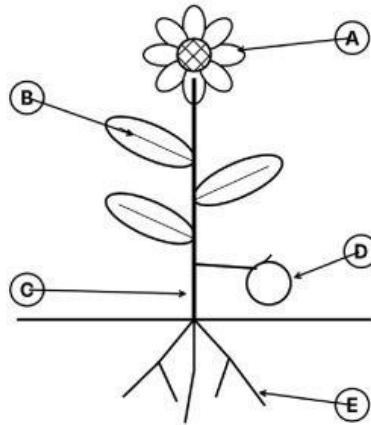
Sam says: "A car is living because it moves."

- a) Do you agree with Sam? Circle: Yes No
- b) Explain your answer. Use MRS GREN to help you.

Question 5: Parts of a plant

Label the parts of the plant. Write the correct word next to each letter.

Word bank: roots stem leaf flower fruit



A = _____	B = _____	C = _____	D = _____	E = _____
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Question 6: What does each part do?

Match each plant part to its job. Write the letter of the correct job in the box.

Roots		a) Makes food for the plant using sunlight.
Stem		b) Holds the plant up and carries water to the leaves.
Leaves		c) Holds the plant in the soil and takes in water.
Flower		d) Protects the seeds inside it.
Fruit		e) Makes seeds and attracts insects.

Question 7: What do plants need to grow?

Circle the **SIX** things a plant needs to grow well.

water	chocolate	sunlight	music
air	toys	soil	space
ice cubes	the right temperature	television	

Question 8: Complete the sentences

Word bank: sunlight space temperature water soil

1. A plant uses _____ to make its own food in its leaves.
2. The roots take in _____ so the plant does not dry out.
3. Plants grow in _____ because it holds the roots and gives them goodness.
4. Seeds planted too close together do not have enough _____ to grow.
5. If it is too hot or too cold, the plant will not grow. It needs the right _____.

Question 9: Germination

a) Complete: Germination is when a _____ starts to _____ into a new plant.

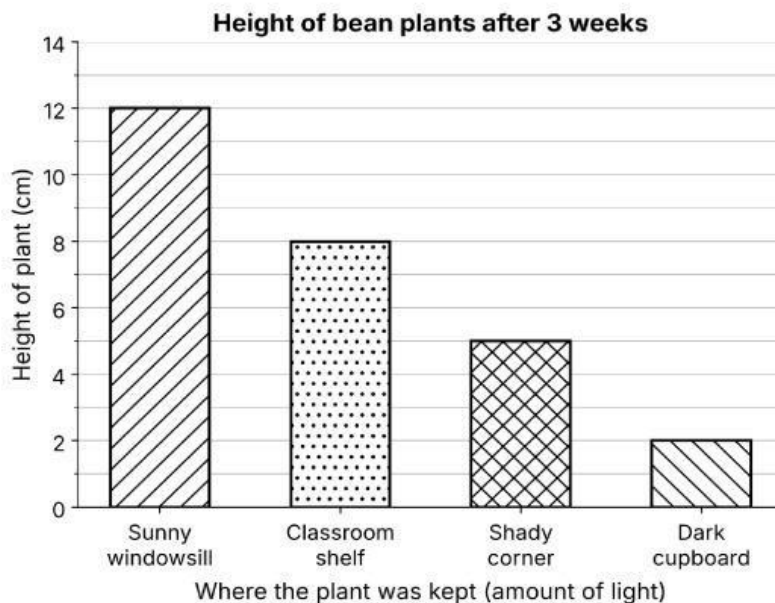
b) The steps are mixed up. Number them 1 to 5 in the correct order.

	A tiny shoot pushes up through the soil.
	A seed is planted in the soil.
	The leaves open and the seedling grows into a plant.
	The seed takes in water and swells.
	A root grows down into the soil.

c) Why does the root grow out of the seed before the shoot?

Question 10: Reading a bar graph

Class 3 grew four bean plants. They gave each plant the same water, soil and pot, but kept them in places with different amounts of light. After 3 weeks they measured each plant.



a) Which plant grew the tallest?

b) How tall was the plant in the dark cupboard?

c) How much taller was the sunny windowsill plant than the classroom shelf plant?

d) What does the graph tell us about plants and light?

Question 11: Plan an investigation

Maya wants to find out if plants need the right temperature to grow. She has two of the same plants. Help her plan a fair test.

1. Question: What does Maya want to find out?

2. Prediction: What do you think will happen?

3. What will Maya change?

4. What must Maya keep the same? Write two things.

5. What will Maya measure?

6. Conclusion: If the cold plant grows less, what has Maya found out?

Question 12: Challenge: Think and explain

a) Leo planted 20 seeds very close together in one small pot. The plants grew thin and weak. Why?

b) Is a seed living or non-living? Explain how you know.

Well done, scientist!