

DEPARTMENT FOR CURRICULUM,
LIFELONG LEARNING AND EMPLOYABILITY
Directorate for Learning and Assessment Programmes
Educational Assessment Unit
Annual Assessment for Primary Schools 2019

YEAR 5

SCIENCE

Time: 45 minutes

Name: _____

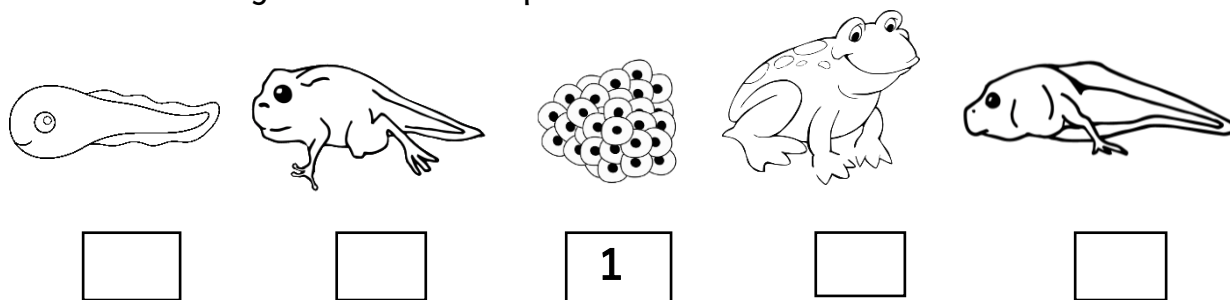
Class: _____

1. All animals, plants and human beings have a life cycle.

a) The diagram below shows stages in the life cycle of a frog.

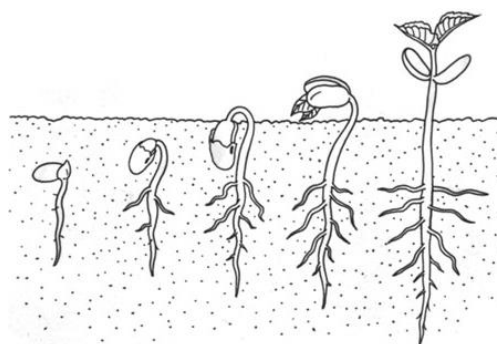
Look at the different stages and put them in the correct order to show the complete life cycle of a frog.

The first one is given as an example.



(4 marks)

b) The diagram shows the stages of the life cycle of a plant. The roots of the plant have an important function throughout its life cycle.



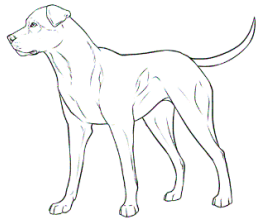
i. List **two** functions of roots.

Function 1: _____

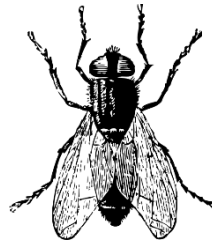
Function 2: _____

(2 marks)

c) Pictures A and B below show two different living things.



A



B

i. List **two** differences that you observe between A and B.

Difference 1: _____

Difference 2: _____

(2 marks)

2. The pictures below show two ways how to travel around town.

a) Which way of travelling is better for the environment?

Tick (✓) the correct answer.



bicycle



car

(1 mark)

b) Explain your answer.

(1 mark)

Name: _____

Class: _____

c) The picture shows trees being cut in a forest.



i. List **two** changes resulting from this action

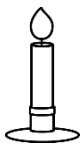
Change 1: _____

Change 2: _____

(2 marks)

3. Jake wants to separate iron nails from a mixture of sand and nails.

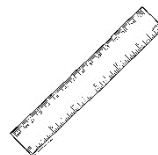
a) Tick (✓) **one** box to show what Jake uses to separate the nails from the sand.



candle



magnet



plastic ruler



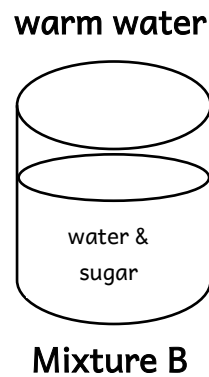
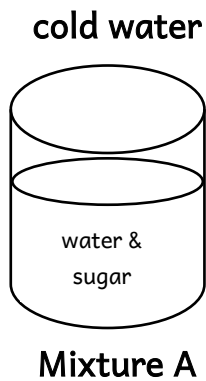
wooden spoon

(1 mark)

b) Explain your choice.

(2 marks)

4. Emma designed an experiment using sugar and water.
She prepared Mixture A and Mixture B below.



a) In which mixture would sugar dissolve fastest?

Tick (✓) the correct answer.

Mixture A

Mixture B

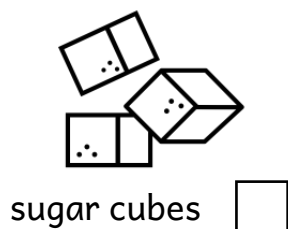
(1 mark)

b) How can Emma speed up the dissolving process?

(1 mark)

c) Emma was investigating which type of sugar dissolves fastest.

Tick (✓) the box showing the sugar type that would dissolve faster.



(1 mark)

d) Name **one** other **soluble** material.

(1 mark)

5. What am I?

Match each sentence in Column A to the correct word in Column B.

The first one is given as an example.

	Column A		Column B
a	I have a north pole and a south pole.		sand
b	I can travel through different materials.		hurricane
c	I am an endangered animal.		periscope
d	I am a waterproof material and can be very flexible.	a	magnet
e	I am an insoluble material.		African elephant
f	I help people see things which cannot be seen directly.		sound
g	I am a storm with strong wind and heavy rain.		plastic

(6 marks)

6. Julia's class is learning about Space.

a) Complete the table below about movement in Space.

The first one is given as an example.

	Movement in Space	How many days does it take?
i.	The Moon completes its orbit around Earth.	28 days
ii.	Earth turns completely on its own axis.	
iii.	Earth completes its orbit around the Sun.	

(2 marks)

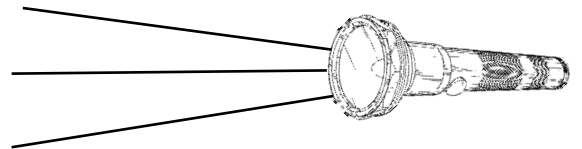
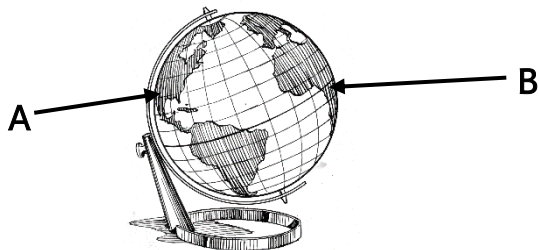
b) Julia uses a torch to represent the Sun.

She points it towards a globe to show night and day.

Points A and B show two different countries.

i. Look carefully at the diagram below.

Tick (✓) the box showing the country in which it is **night time**.



Country A

Country B

(1 mark)

ii. Explain your answer.

(2 marks)

END OF ASSESSMENT