

DEPARTMENT FOR CURRICULUM,
LIFELONG LEARNING AND EMPLOYABILITY
Educational Assessment Unit

Annual Examinations for Primary Schools 2024

Year 4

Science

Time: 60 minutes

Name: _____

Class: _____

1. Bettina is walking in the Maltese countryside. She sees a tomato plant in a field and looks at its different parts.

She takes a picture of each plant part as seen in the pictures below.

- a) Name each part of the plant.
i. Write **one** word from the word bank below.

The first one is given as an example.

leaf

stem

~~flower~~

fruit



flower



(3 marks)

- ii. A tomato plant has roots.

Tick (✓) the correct sentence to identify the function of the roots in a plant.

☐

Roots change sunlight into energy.

☐

Roots absorb water and minerals.

☐

Roots attract insects.

(1 mark)

- b) Circle the pictures below to indicate the basic needs of a plant.



water



sunlight



bee



empty pot

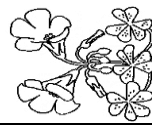


air

(3 marks)

c) While walking, Bettina sees different types of plants and trees.

Circle **three** of the pictures below to show **plants and trees commonly found** in the Maltese countryside.



Thyme <i>Sagħtar</i>	Pink Butterfly Orchid <i>Farfett</i>	Cape Sorrel <i>Qarsu</i>	Carob tree <i>Harruba</i>
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(3 marks)

2. The pictures below show different living things.



beetle



mouse



plant



owl

a) Use the words under each picture above to complete the food chain below.

Food chain:



(4 marks)

b) Write **one** word to complete the sentence below.

The arrows in the food chain above show the flow of _____.

(1 mark)

c) From the food chain above, name **one** producer and **one** consumer.

i. Producer: _____

(1 mark)

ii. Consumer: _____

(1 mark)

3. Samir wants to prepare a healthy meal. He uses food items found at home.

a) Tick (✓) the **healthiest five** food items from the list below.

carrots ☐

apples ☐

chips ☐

chicken ☐

cream cake ☐

sausages ☐

peas ☐

tomatoes ☐

pizza ☐

doughnuts ☐

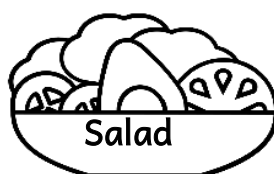
(5 marks)

- b) Samir follows good hygiene practices while preparing this meal.
Tick (✓) the correct column **True** or **False** in the table below to show **good hygiene practices**. The first one is given as an example.

	Example of Good Hygiene Practice	True	False
i.	Wash your hands.	✓	
ii.	Make sure chicken is not undercooked.		
iii.	Store uncooked meat on the kitchen counter.		
iv.	There is no need to wash fruit and vegetables.		
v.	Clean the chopping board and other surfaces after each use.		
vi.	Separate uncooked and cooked meats.		

(5 marks)

- c) This is Samir's favourite food.



Is this an example of a mixture or a solution?

- i. Tick (✓) the correct box.

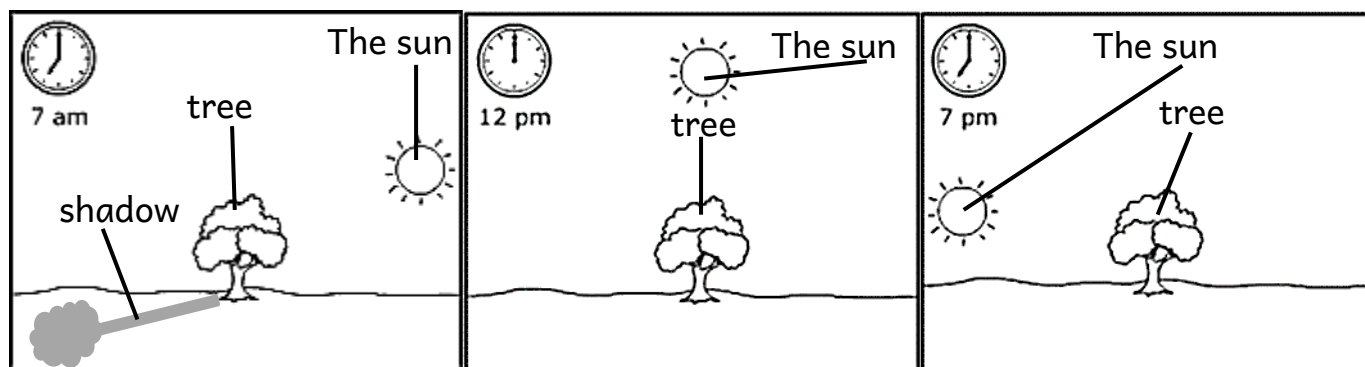
mixture ☐ solution ☐

(1 mark)

4. Lara notices that shadows change during the day.

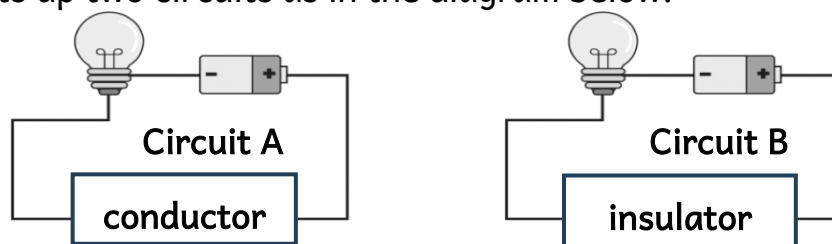
- a) Look at the position of the sun. Draw the **shadow** of the tree in each diagram below.

The first diagram has been given as an example.



(2 marks)

5. Leslie sets up two circuits as in the diagram below.



He uses a **conductor** for **Circuit A** and an **insulator** for **Circuit B**.
Only one bulb lights up.

a) Tick (✓) the correct box to show which bulb lights up.

Circuit A ☐

Circuit B ☐

(1 mark)

b) Tick (✓) the material used in **Circuit A** and in **Circuit B** in the diagram above.

Circuit A

glass ☐
iron ☐
rubber ☐

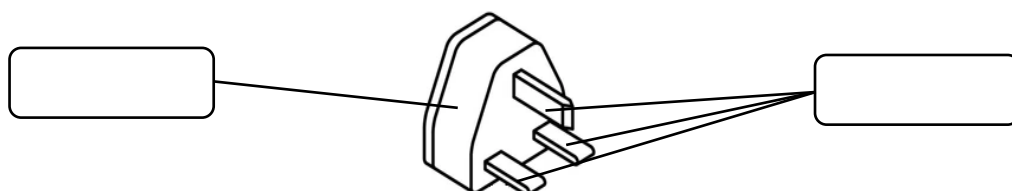
Circuit B

plastic ☐
aluminum ☐
gold ☐

(2 marks)

c) The diagram below shows an electric plug.

i. Write the word **conductor** and **insulator** in the boxes below to label the diagram.

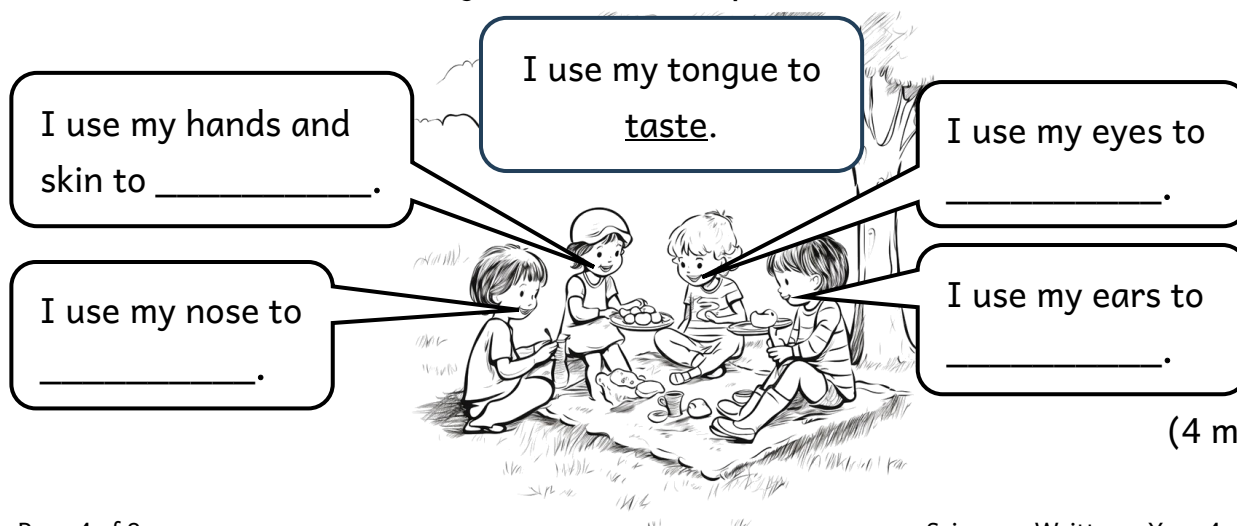


(2 marks)

6. The picture below shows children in a garden.

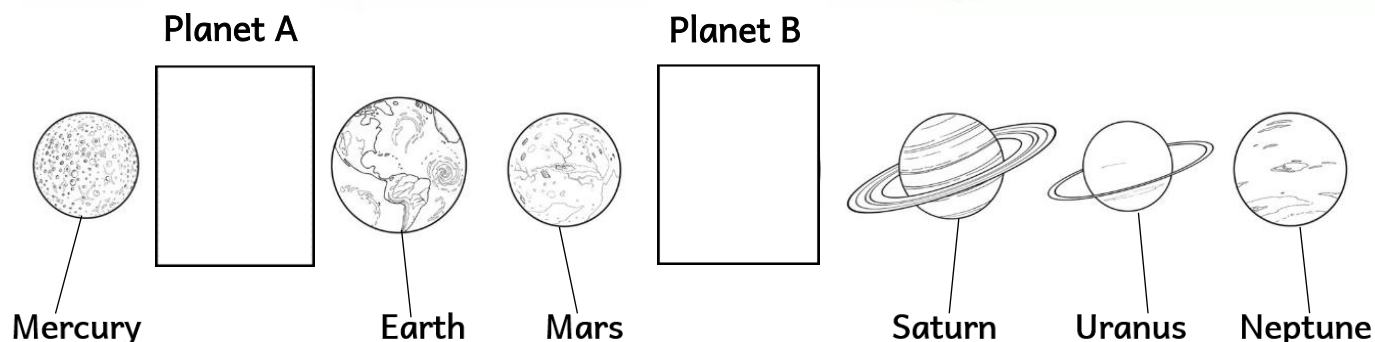
Write one of the **five senses** to complete each speech bubble.

The first one has been given as an example.



(4 marks)

7. The following diagram shows six of the planets in our solar system in order of distance from the Sun.



- a) Name the **two** planets that are missing.

Planet A: _____

Planet B: _____

(2 marks)

- b) Planets are different from each other.

Name **one** difference between **Earth** and **Saturn**.

(1 mark)

- c) Read the following statements about the solar system.

Tick (✓) **True** or **False** in the correct column.

		True	False
i.	There are 5 rocky planets in our Solar System.		
ii.	Mars is known as the blue planet.		
iii.	Copernicus noticed that the planets orbit the sun.		

(3 marks)

8. The weather chart below shows the weather pattern over a period of two months.

a) Complete the table below by **drawing** the missing weather symbols.

Weather description	Weather Symbol	Month of July	Month of November
Sunny		27 days	14 days
Cloudy		4 days	17 days
Rainy		1 day	7 days
Windy		5 days	6 days

(2 marks)

b) From the information in the weather chart above, complete the following statements.

i. The month having **most sunny** days is _____ (1 mark)

ii. The month having **most windy** days is _____ (1 mark)

c) Enya records the **highest** air temperature reached in the months of July and November in Malta.

i. Complete the table below. Write the correct month (**July** and **November**) to match the highest air temperature to the month.

Highest air temperature	Month
20°C	
38 °C	

(2 marks)

ii. Complete the table below. Write the **estimated highest air temperature during the day** for the months of August and February.

Highest air temperature	Month
	August
	February

(2 marks)

9. The pictures below show slides with different surfaces.



Slide A: wooden slide



Slide B: metal slide



Slide C: rubber slide

a) Max slides down each slide.

i. Tick (✓) the slide on which Max slides down the **fastest**.

Slide A: ☐

Slide B: ☐

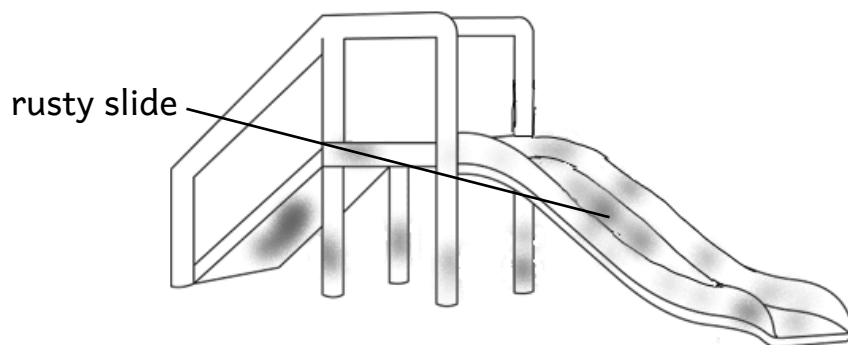
Slide C: ☐

(1 mark)

ii. Give a reason to support your choice.

(1 mark)

b) Max notices that parts of metal Slide B are rusty.



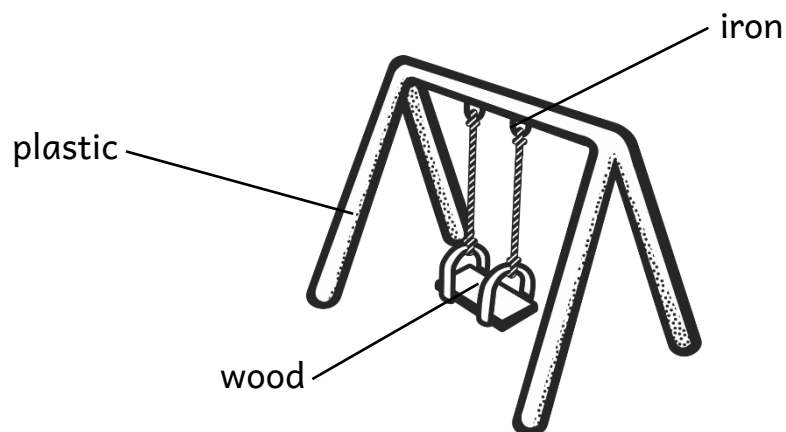
Underline the correct word in each sentence below to indicate whether the following changes are **reversible** or **irreversible**.

i. A rusty slide is (a reversible, an irreversible) change.

ii. A wet playground is a (reversible, irreversible) change.

(2 marks)

- c) The picture below shows a playground swing that is made of different materials.



Complete the table below.

Tick (✓) the correct column to indicate whether the material is **man-made** or **natural**.

	Material	Man-made	Natural
i.	Plastic		
ii.	Iron		
iii.	Wood		

(3 marks)

END OF EXAM