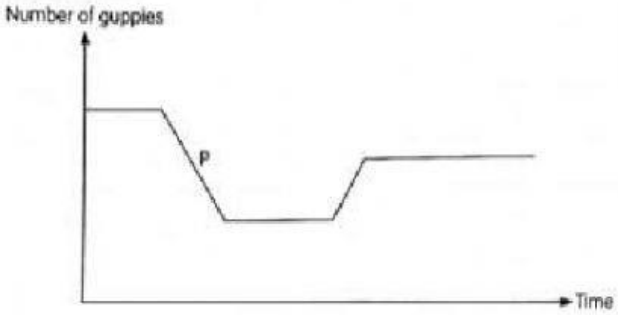
Primary 6 Science
Semester 1 Topical Test 2 Living Together

Name	: _____	**Marks**	: _____ / 20
Class	: _____	**Parent's Signature**	: _____
Date	: _____	**Duration**	: 30 minutes

Read the questions carefully and write your answer in the space provided below.

1. The graph below shows how the population of guppies in a pond change over time.



a. How the population of guppies in P changes over time? (1)

_____

b. Write two (2) factors of the environment that might cause the change in P. (2)

_____

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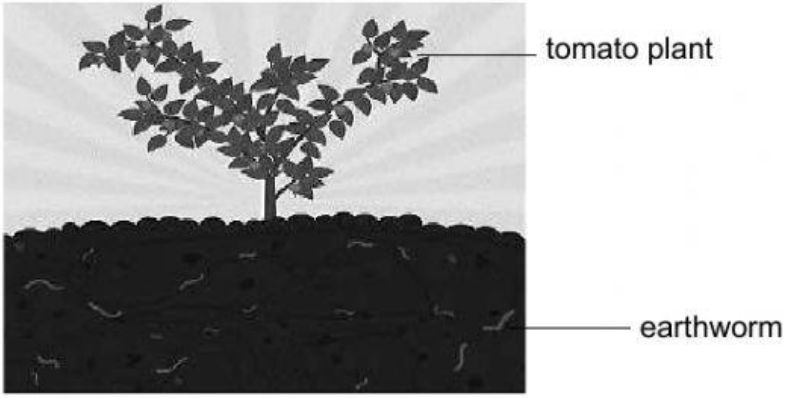
_____

2. The picture below shows a tomato plant and earthworms.



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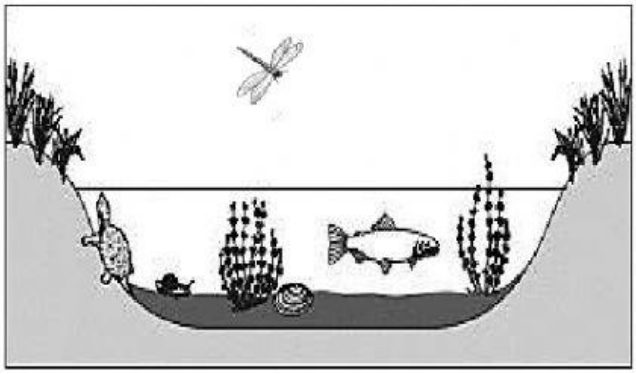
Explain how the sunlight affect tomato plant and earthworms differently. (1)

3. Observe the diagram of a pond community below. How many organisms found in the diagram? (1)



4. The table below shows the number of organisms found in a habitat X.

Organisms	Number of organisms
Slug	11
Millipede	15
Centipede	1
Spider	5
Grasshopper	10
Grass	20

a. Based on the table above, how many populations are there in habitat X? (1)

b. What is habitat X likely to be?

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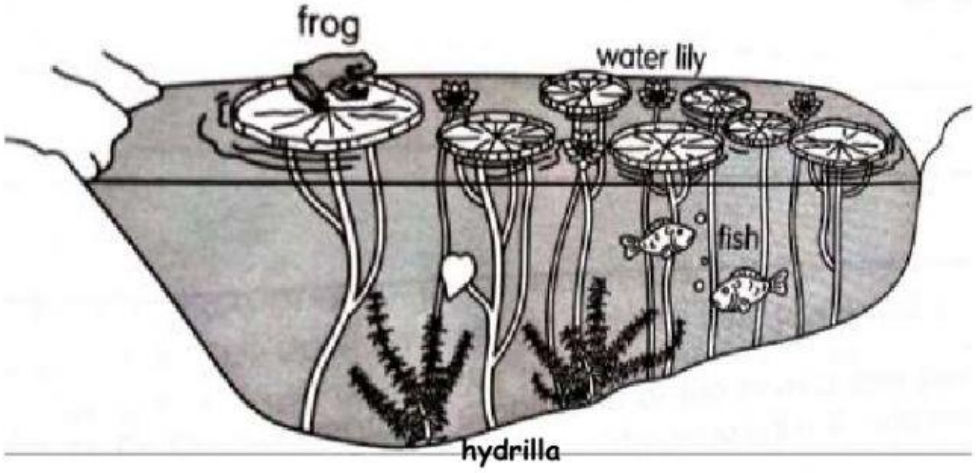
c. Write three things that the organisms get from its habitat to survive? (3)

_____

_____

_____

5. The diagram below shows a pond community. Few months later, Jane observes that the whole surface of the pond almost covered by water lily. She decided to move half of the water lily from pond to mangrove habitat,



a. What will happen to water lily on mangrove swamp habitat, will it survive? Explain your answer. (2)

_____

_____

_____

_____

b. Identify two (2) relationships among the organisms in the diagram above. (2)

_____

_____

_____

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6. The table below shows the characteristics of four different habitats, P, Q, R and S.

Habitat	P	Q	R	S
Amount of moisture	Moderate	Low	High	Moderate
Average temperature (ºC)	23	36	10	18
Amount of light	Low	High	Low	High

An animal, X, has the following characteristics.

- They like to eat thorny shrubs, grasses and seeds.
- It lives in dry environment.
- The fat is stored in the hump.

a. In which habitat(s) is animal X likely to be found, P, Q, R or S? (1)

_____

b. Based on your answer on (a), what is the habitat for animal X likely to be? (1)

_____

c. Write two animals that can be found together with animal X in habitat (b). (2)

_____

d. How the population of animal X would change if the population of its predator removed from their habitat? Explain your answer. (2)

_____

_____

_____

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