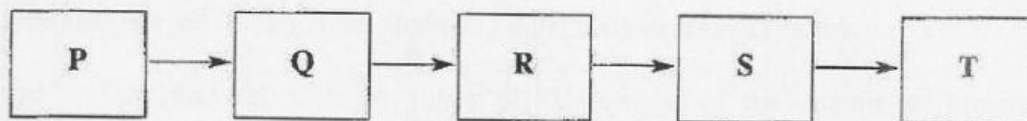


2. The diagram represents a food chain.



- (a) Identify the trophic levels shown at P, Q and R.

P \_\_\_\_\_  
Q \_\_\_\_\_  
R \_\_\_\_\_ [3]

- (b) State the type of organisms that occupy level Q and level S.

Level Q \_\_\_\_\_  
Level S \_\_\_\_\_ [2]

- (c) Suggest the trophic level that has the smallest number of organisms.

Explain your answer.

Trophic level \_\_\_\_\_ [1]

Explanation \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ [2]

- (d) A poisonous substance enters the food chain through the soil. This substance does not break down in the bodies of living organisms.

Suggest the trophic level that will have the highest concentration of poisonous substance. Explain your answer.

Trophic level \_\_\_\_\_ [1]

Explanation \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_