Quiz about nutrition in fungi , bacteria and protist.

1. Some organisms of these kingdoms can be autotrophs and others heterotrophs.

a) Bacteria and fungi

b) Bacteria and protist

c) Protist and fungi

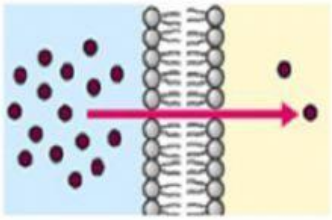
2. Bacteria that get nutrients throughout photosynthesis are called

   a) Photoautotrophic Bacteria

   b) Chemosynthetic Bacteria

   c) Heterotrophic bacteria

3. The following picture shows the process by which some one-celled organisms get nutrients. Choose the statatement that best describe the picture

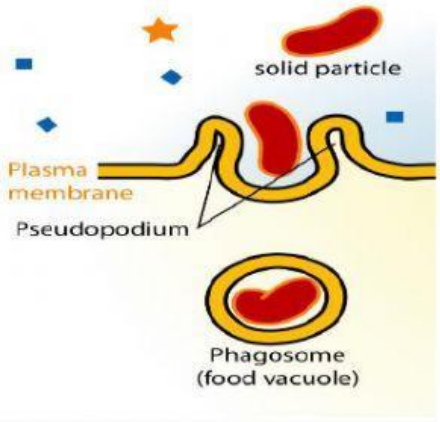


a) This is a passive transport process because molecules are moving from a place where there is a high concentration of molecules to a low concentration, using energy.

b) This is a passive transport process because molecules are moving from a place where there is a high concentration of molecules to a low concentration, without using energy.

c) This is a passive transport process because molecules are moving from a place where there is a low concentration of molecules to a high concentration, without using energy.

4. Which form of active transport is shown in the following image

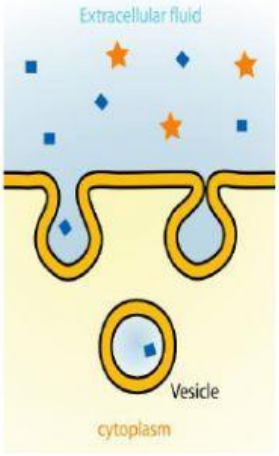


a) Phagocytosis

b) Pinocytosis

c) Diffusion

5. Which form of active transport is shown in the following image

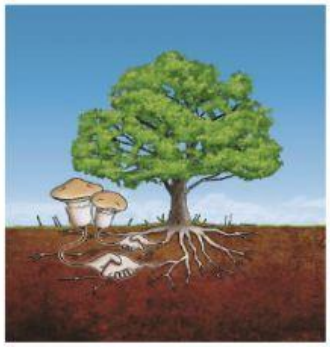


a) Phagocytosis

b) Pinocytosis

c) Diffusion

6. Join both columns



SAPROPHYTIC FUNGI



SYMBIOTIC FUNGI



PARASITIC FUNGI

7. To get nutrients fungi must release substances called_____ which help them break up the food and then absorb the nutrients.

a) ENZYMES

b) HYPHAE

c) MYCELIUM

8. Fungi are heterotrophs

   a) Because nutrients enter the cell trough the cell membranes by a process that is called

      PHOTOSYNTHESIS

   b) Because nutrients enter the cell trough the cell membranes by a process that is called

      ENZYMES

   c) Because nutrients enter the cell trough the cell membranes by a process that is called

      ABSORPTION

9. What are the cells and tissues of fungi ?

   a) Germ cells and ephitelial

   b) Somatic cells and connective

   c) Hyphae and mycelium

10. Read the following text and choose the correct answer :

Fungi play a crucial role in the balance of ecosystems. Fungi are the major decomposers of nature; they break down organic matter which would otherwise not be recycled. The food web would be incomplete without organisms that decompose organic matter. Some elements, such as nitrogen and phosphorus, are required in large quantities by biological systems; yet, they are not abundant in the environment. The action of fungi releases these elements from decaying matter, making them available to other living organisms



Fungi are important in nature because :

a) They take nitrogen and phosphorus from the environment and other organisms to convert them into artificial fertilizers that are good for the environment .

b) They play a major role as decomposers and recyclers, making it possible for members of the other kingdoms to be supplied with nutrients and to live.

c) They eat food from decaying matter , but the nutrients can be useful only for bacteria and protist.