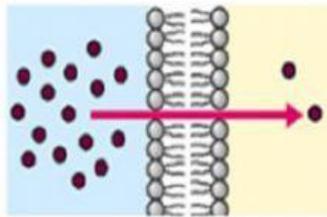


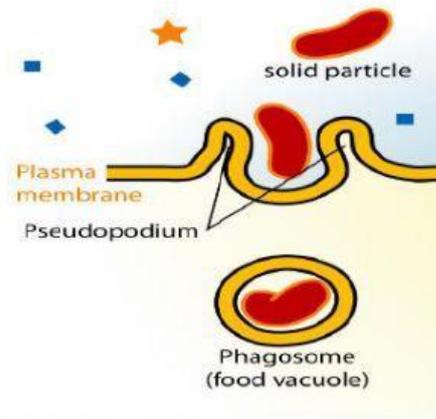
Quiz about nutrition in fungi , bacteria and protist.

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 statement that best describe the picture



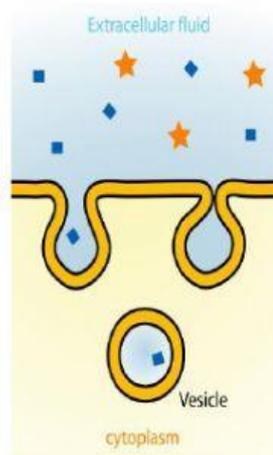
- a) This is a passive transport process because molecules are moving from a place where there is a high concentration of molecules to a low concentration, using energy.
- b) This is a passive transport process because molecules are moving from a place where there is a high concentration of molecules 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 through the cell membranes by a process that is called PHOTOSYNTHESIS
- b) Because nutrients enter the cell through the cell membranes by a process that is called ENZYMES
- c) Because nutrients enter the cell through the cell membranes by a process that is called ABSORPTION

9. What are the cells and tissues of fungi ?

- a) Germ cells and epithelial
- 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.