

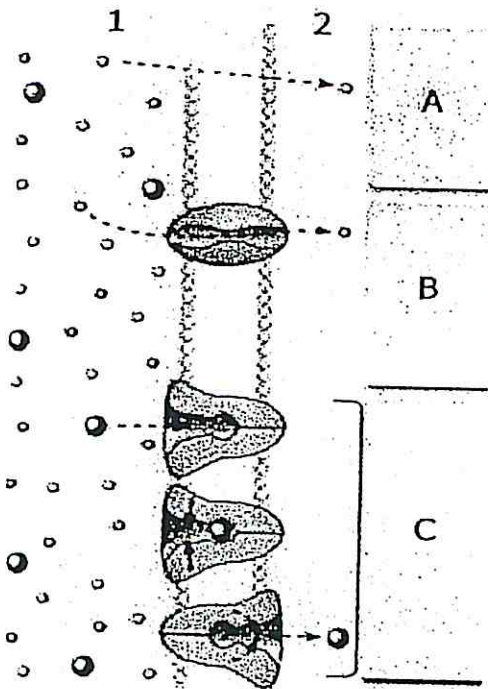
Practice Learning Targets:

L.T.# 1 I can describe the process of diffusion.

L.T.# 2 I can determine the direction a substance will diffuse.

L.T.# 7 I can explain the difference between simple diffusion and facilitated diffusion.

Use the diagram below to answer questions 1-6.



Simple Diffusion

Osmosis
Facilitated Diffusion

Facilitated Diffusion

1. Label each letter on the diagram with the type of diffusion that is occurring at each place.
2. What type of molecules can undergo the process in A? (What properties must these molecules have?)

Lipids, O_2 , CO_2

3. What type of molecules use process C? Why can't they go right through the phospholipid bilayer?

Sugar, Ions, They are not soluble in H_2O or are too large to pass through the membrane.

4. What type of molecule use process B? Why can't they go through the phospholipid bilayer?

H_2O H_2O is not soluble in H_2O

5. Are all of these processes passive? Explain your answer.

yes No Energy they go High to Low

6. What is necessary for the process of facilitated diffusion?

Protein Channel