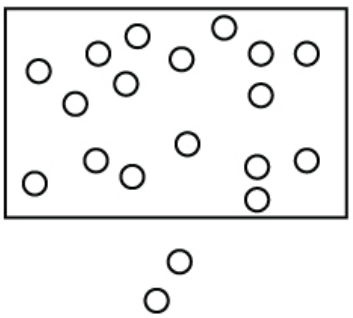
Name: _____

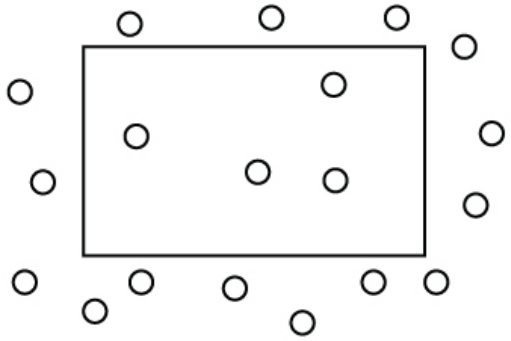
Diffusion Worksheet

❶ Use arrows to show the direction of diffusion in each case below:

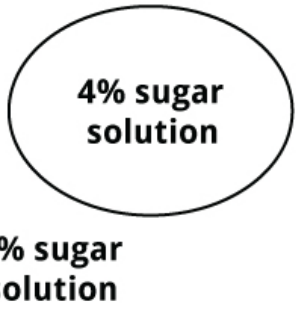
a)



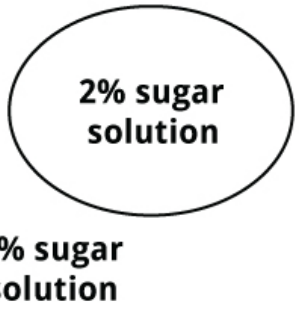
b)



c)



d)



❷ Answer the following questions:

a) Does a cell expend energy when it diffuses molecules in or out of it?

_____

b) Name the two types of diffusion.

_____

❸ Fill in the blanks to complete the sentences.

a) Diffusion is a type of _____ transport.

b) Diffusion continues until the concentration of the molecules becomes _____ throughout the region.

c) _____ , _____ , _____ , and _____ _____ affect the rate of diffusion.

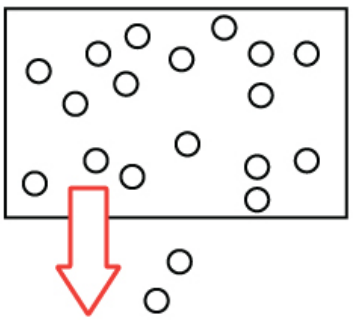
d) The movement of the particles is _____ , and the cells do not require energy to move these particles.

Name: _____

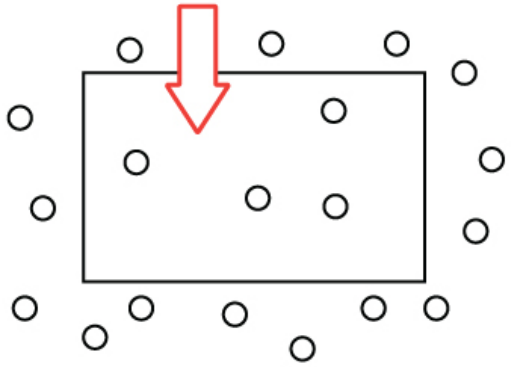
Diffusion Worksheet

❶ Use arrows to show the direction of diffusion in each case below:

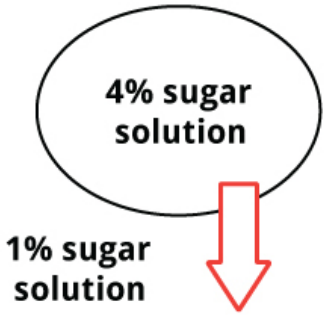
a)



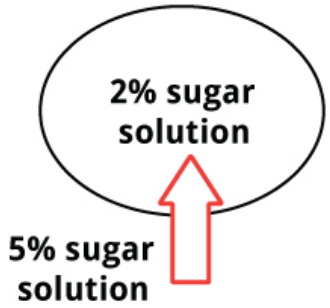
b)



c)



d)



❷ Answer the following questions:

a) Does a cell expend energy when it diffuses molecules in or out of it?

No

b) Name the two types of diffusion.

Simple Diffusion and Facilitated Diffusion

❸ Fill in the blanks to complete the sentences.

a) Diffusion is a type of passive transport.

b) Diffusion continues until the concentration of the molecules becomes equal throughout the region.

c) Concentration gradient , surface area , distance , and surface area affect the rate of diffusion.

d) The movement of the particles is random , and the cells do not require energy to move these particles.