

Skills Worksheet

Active Reading**Section: Passive Transport**

Read the passage below. Notice that the sentences are numbered. Then answer the questions that follow.

¹ The diffusion of water through a selectively permeable membrane is called **osmosis**. ² Like other forms of diffusion, osmosis involves the movement of a substance—water—down its concentration gradient. ³ Osmosis is a type of passive transport.

⁴ If the solutions on either side of the cell membrane have different concentrations of dissolved particles, they will also have different concentrations of “free” water molecules. ⁵ Osmosis will occur as water molecules diffuse into the solution with the lower concentration of free water molecules.

SKILL: READING EFFECTIVELY

Read each question, and write your answer in the space provided.

1. What key term is defined in this passage? What does this term mean?

2. How are diffusion and osmosis related?

3. What does the word *water* in Sentence 2 tell you about osmosis?

In the space provided, write the letter of the term or phrase that best completes the statement.

- _____ 4. Osmosis is a type of
a. passive transport.
b. diffusion.
c. active transport.
d. Both (a) and (b)