

Key Concepts Builder **LESSON 3*****Moving Cellular Material*****Key Concept** How do materials enter and leave cells?**Directions:** On each line, write the term from the word bank that correctly completes each sentence. Each term is used only once.

- | | | |
|-------|---|---------------------------------|
| _____ | 1. the movement of substances from an area of higher concentration to an area of lower concentration | A. semipermeable |
| _____ | 2. transport proteins that carry large molecules, such as sugar molecules, through a cell membrane | B. passive transport |
| _____ | 3. the state a substance is in when the concentration of the substance is the same on both sides of a cell membrane | C. diffusion |
| _____ | 4. when a cell takes in a substance by surrounding it with the cell membrane | D. equilibrium |
| _____ | 5. the diffusion of water molecules only | E. osmosis |
| _____ | 6. when the cell membrane uses special transport proteins to move materials through the cell membrane | F. facilitated diffusion |
| _____ | 7. transport proteins that form pores through a cell membrane that allow small molecules to pass through | G. transport proteins |
| _____ | 8. the movement of substances through a cell membrane by using the cell's energy | H. carrier proteins |
| _____ | 9. proteins that assist with the transport of molecules through a cell membrane | I. channel proteins |
| _____ | 10. when a cell's vesicles release their contents outside the cell | J. active transport |
| _____ | 11. what a cell membrane is because it allows only certain substances to enter or leave a cell | K. endocytosis |
| _____ | 12. the movement of substances through a cell membrane without using the cell's energy | L. exocytosis |

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