

Skills Worksheet

Homeostasis and Cell Transport

In the space provided, write the letter of the description that best matches the term or phrase.

- H A 1. passive transport
- j 2. concentration gradient
- N X 3. equilibrium
- A 4. diffusion
- K 5. osmosis
- B 6. hypertonic solution
- P 7. hypotonic solution
- I 8. isotonic solution
- f 9. ion channel
- e 10. carrier protein
- M 11. facilitated diffusion
- O 12. active transport
- D 13. sodium-potassium pump
- g 14. endocytosis
- e 15. exocytosis
- 8 Q 16. vesicle
- L 17. contractile vacuole

- X a. movement of a substance down the substance's concentration gradient
- X b. causes a cell to shrink because of osmosis
- X c. movement of a substance by a vesicle to the outside of a cell
- X d. an example of a cell membrane "pump"
- X e. protein used to transport specific substances across a membrane
- X f. transport protein through which ions can pass
- X g. movement of a substance by a vesicle to the inside of a cell
- X h. does not require energy from the cell
- X i. concentration of molecules is equal throughout a space
- X j. difference in the concentration of molecules across a space
- X k. diffusion of water through a membrane
- X l. organelle that pumps water out of the cell
- X m. passive transport using carrier proteins
- X n. concentration of both solutions is equal
- X o. movement of a substance against the substance's concentration gradient
- X p. causes a cell to swell because of osmosis
- X q. organelle that fuses with lysosomes in order that contents can be digested