

Name: _____

Cells Quiz #3: Cellular Transport

PRINTABLE NOTEPAD 1

17

A. Fill in the blanks with the correct words so that the paragraph explains how membranes work.

4 marks

_____ permeable _____ impermeable _____ cell membrane _____ selectively permeable

A _____ lets some materials into the cell and keeps others out. This is an example of a _____ membrane. An _____ membrane does not let materials in or out of the cell. If a membrane lets in anything it is said to be a _____ membrane.

B. Determine which direction water would flow for each of these situations involving osmosis. If the water will flow out of the cell, write "out". If the water will flow into the cell, write "in".

4 marks

- Celery is put into a bowl of water with a lot of salt. _____
- A wilted plant is watered. _____
- You've just exercised and had something to drink. Your blood now has more water than your muscle cells. _____
- Your friend is teaching you how to properly grill meat. She says that you must salt the meat at the end to keep it juicy. When you add salt to meat, does the water flow in or out of the cells?

C. Multiple Choice

3 marks

1. Which of the following is a good example of a permeable membrane?

- a) plastic food wrap b) leather c) cotton d) glass

2. Diffusion is movement of gas or liquid particles from

- a) an area of low concentration to an area of high concentration.
b) an area of high concentration to an area of low concentration.
c) areas of equal concentration to areas of no concentration.
d) an area where there is water, to an area where there is no water.