

Name _____
Date _____

Class _____
Osmosis Wkst

1. What is the process by which water moves across a cell membrane from high concentration to low concentration called?

- A. osmosis
- B. active transport
- C. diffusion
- D. resolution

2. A cell is placed in salt water. What will happen to the cell size?

- A. it will shrink
- B. it will expand in size
- C. it will not change
- D. it is impossible to predict

3. Which of the following would be an example of osmosis?

- A. The smell of ammonia spreading throughout the room.
- B. The shriveling of a snail after salt is poured on it.
- C. Water being poured into a glass.
- D. The absorption of water by a bathroom sponge.

4. Carrot sticks that are left in a dish of freshwater for several hours became stiff and hard. Draw a picture of a single cell to show what it would look like under the microscope and explain why this happens.

5. Carrot sticks that are left in a dish of salt water for several hours become limp and soft. Draw a picture of a single cell to show what it would look like under the microscope and explain why this happens

6. Why does osmosis occur? It happens because

- A. gravity pulls all matter toward the center of Earth.
- B. water moves from high concentrations to low concentrations.
- C. cells are alive and only living things have osmosis.
- D. cells are the smallest parts of living things.