**Osmosis Quiz**

(C4 I can model the cell processes of diffusion and osmosis and relate this motion to the motion of particles)

**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 to show high and low concentration 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 to show high and low 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.