

NAME:

PERIOD:

DATE:

## CELL TRANSPORT MULTIPLE CHOICE

Answer all questions to the best of your ability. Be specific. Be scientific.

1. If a cell was dry inside, and suddenly someone squirted water on it, what would happen?

- a. The cell would use endocytosis to bring the water in.
- b. Since the cell membrane is selectively permeable, the water would flow into the cell.

2. If a cell was filled with large waste particles...

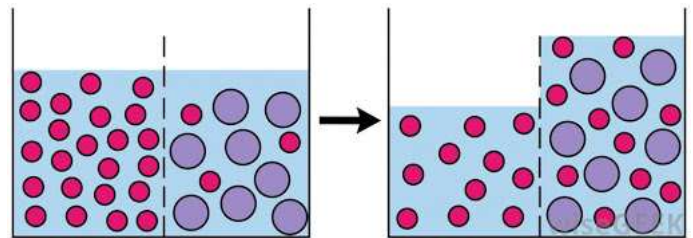
- a. The waste particles would flow out because they are highly concentrated in the cell.
- b. The cell would use exocytosis to get rid of them.

3. A plant cell and an animal cell are different because...

- a. an animal cell has a cell membrane, but a plant cell does not
- b. a plant cell has a cell wall, but an animal cell does not

4. Osmosis would happen in a cell when...

- a. a cell used energy to bring water into itself
- b. water flowed from high concentration to low concentration



5. A substance reaches equilibrium when...

- a. its particles are evenly spread out throughout a certain space
- b. all its particles stop moving

6. If a cell was creating more and more carbon dioxide ( $\text{CO}_2$ ), which of these would happen?

- a. at some point the  $\text{CO}_2$  would start to leak out of the cell through diffusion
- b. at some point, the cell would have to release the  $\text{CO}_2$  through exocytosis



7. The difference between osmosis and diffusion is...
- a. there is no real difference, when water moves by diffusion it is called osmosis
  - b. diffusion is when it's not water that moves, and osmosis is when water moves
8. Small particles can pass through a cell membrane at any time. This...
- a. makes diffusion and osmosis possible
  - b. is the only way that endocytosis and exocytosis could happen
9. If a cell needed water, but the environment outside was very dry...
- a. the cell would be okay, since it has a cell membrane to hold water in
  - b. the cell would lose water through osmosis, whether it wanted to or not
10. Particles of a substance want to...
- a. stick together
  - b. move from where they are together to where they can spread out