

Name: _____

Date: _____

Diffusion and Osmosis Worksheet

1. The cell membrane is made of a **phospholipid bilayer**
2. **Active transport** requires energy (ATP) to transport molecules against a concentration gradient.
3. Diffusion always causes particles to move from a region of **high** concentration to a region of **low** concentration.
4. Does a cell use energy when molecules diffuse in or out of the cell down the concentration gradient? **No**
5. The cell membrane is **selectively** permeable. This means that **it has the capability to let some substances in, and keep others out**
6. After sitting in the bathtub for hours, your fingers start to look like prunes. **Osmosis**
7. The girl sitting two rows ahead of you put on too much perfume this morning. **Diffusion**
8. One way to get rid of slugs in your garden is to sprinkle salt on them, so they shrivel up. **Osmosis**
9. Oxygen molecules move from the air sacs in the lungs across the cell membranes into the blood **Diffusion**
10. Robert sprays water on the veggies in the produce section to "plump them up". **Osmosis**