**Osmosis Practice Worksheet Name:**

For each question please do the following

1. Draw a diagram of what is happening and write where it is:
* high [water], low [water], high [solute], low [solute]
1. Identify if the cell is in: hypertonic, hypotonic or isotonic solution
2. Draw an arrow showing which direction the water will go in order to establish
3. A plant cell has 64% water content and 36% solute content. The plant cell is surrounded by fluid that has 83% water content and 17% solute content.
4. An animal cell has low [sugar] and is placed in a solution with high [sugar]
5. A worm is hanging out in the moist dirt. The worm cells have 55% [water] and the surrounding dirt has 63% [water].
6. A plant in Mrs. Aitken’s room has been neglected. The plant cells have 37% water in their cells. Colin waters the plant and the soil has 59% water content.
7. A frog falls into a bucket of Kool-Aid. The frog’s cells have a solute concentration of 0.55 and the Kool-Aid has a solute concentration of 0.75.
8. Bob ate too much pizza and so his blood becomes very salty. The solute concentration in Bob’s cells is 33% and the solute concentration of the blood which passes by his cells is 15%.