

Names: Key

Period: _____

Date: _____

Osmosis Worksheet

Below are animal cells placed in beakers of various concentrations.

1. Draw an arrow to show which way the water would move by osmosis
2. Fill in any missing percentages (water or solute)
3. Identify the type of solution (isotonic, hypertonic, or hypotonic)

<p>90% H₂O 10% solute</p> <p>↓</p> <p>85% H₂O 15% solute</p> <p><i>hypertonic</i></p>	<p>40% H₂O 60% solute</p> <p>↑</p> <p>90% H₂O 10% solute</p> <p><i>hypotonic</i></p>	<p>75% H₂O 25% solute</p> <p>↑</p> <p>80% H₂O 20% solute</p> <p><i>hypotonic</i></p>
<p>45% H₂O 55% solute</p> <p>↑</p> <p>75% H₂O 25% solute</p> <p><i>hypotonic</i></p>	<p>90% H₂O 10% solute</p> <p>↓</p> <p>63% H₂O 37% solute</p> <p><i>hypertonic</i></p>	<p>50% H₂O 50% solute</p> <p>↕</p> <p>50% H₂O 50% solute</p> <p><i>isotonic</i></p>
<p>90% H₂O 10% solute</p> <p>↕</p> <p>90% H₂O 10% solute</p> <p><i>isotonic</i></p>	<p>82% H₂O 18% solute</p> <p>↓</p> <p>25% H₂O 75% solute</p> <p><i>hypertonic</i></p>	<p>90% H₂O 10% solute</p> <p>↓</p> <p>80% H₂O 20% solute</p> <p><i>hypertonic</i></p>

