

Sample Osmosis Lab Data

Table 1.1

1A Diffusion:

		Initial Color	Final Color	Glucose Initial	Glucose Final
Bag	15% glucose & 1% starch	<i>Clear</i>	<i>Blue</i>	+	+
Beaker	H₂O + IKI	<i>Yellow</i>	<i>Yellow</i>	-	+

Table 2.1

1B Osmosis:

Content of Bag	Initial Mass	Final Mass	Mass Difference	% of Change in Mass
0.0 M	<i>26.0g</i>	<i>26.3g</i>	<i>0.3g</i>	<i>+1.2</i>
0.2 M Sucrose	<i>26.2 g</i>	<i>27.0g</i>	<i>0.8g</i>	<i>+3.1</i>
0.4 M Sucrose	<i>26.1g</i>	<i>28.1g</i>	<i>2g</i>	<i>+7.7</i>
0.6 M Sucrose	<i>26.4g</i>	<i>29.3g</i>	<i>2.9g</i>	<i>+11.0</i>
0.8 M Sucrose	<i>26.3g</i>	<i>30.2g</i>	<i>3.9g</i>	<i>+14.8</i>
1.0 M Sucrose	<i>26.4g</i>	<i>31.2g</i>	<i>4.8g</i>	<i>+18.2</i>

Table 1.5

1C Water Potential:

Beaker	% Change in Mass
0.0 M	21.4
0.2 M Sucrose	6.9
0.4 M Sucrose	- 4.5
0.6 M Sucrose	- 12.8
0.8 M Sucrose	- 23.0
1.0 M Sucrose	- 23.5