

## Sample Data (Student data will vary.)

### Diffusion Demonstration (after 25 minutes)

	Mass of empty container	Initial Mass container and dialysis tubing	Initial Mass dialysis tubing alone	Final Mass container and dialysis tubing	Final Mass dialysis tubing alone	Final Additional Observations (Brief description)
Dialysis tubing w/starch inside	66.81 g	96.78 g	29.97 g	96.94 g	30.13 g	Solution in container starts out light brown. No color change after 25 minutes. Solution inside tubing starts out cloudy-white. Changes to blue/black.
Dialysis tubing w/iodine inside	66.81 g	97.54 g	30.7 g	96.45 g	29.64 g	Solution in container starts out cloudy-white. Changes to blue/black. Solution inside tubing starts out light brown. No color change after 25 minutes.

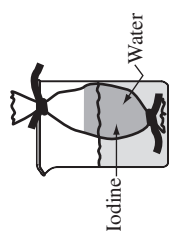


Figure 1.

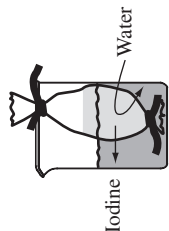


Figure 2.

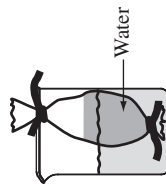


Figure 3.

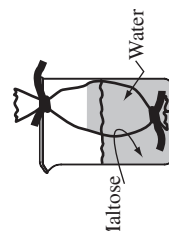


Figure 4.

### Starch Digestion Experiment (after 24 hours)

	Mass of empty container	Initial Mass container and dialysis tubing	Initial Mass dialysis tubing alone	Final Mass container and dialysis tubing	Final Mass dialysis tubing alone	Final Observations Iodine Test	Final Observations Benedict's Test
Dialysis tubing w/starch-water inside	70.96 g	99.54 g	28.58 g	95.46 g	28.64 g	Container sample—light brown, no starch Tubing sample—blue/black color, starch present	Container sample—remains blue, no color change
Dialysis tubing w/starch-enzymes inside	68.66 g	97.92 g	29.26 g	96.30 g	29.49 g	Container sample—light brown, no starch Tubing sample—light brown, no starch	Container sample—mostly blue-green with areas of reddish-brown