

Testing the Selectivity of Common Polymers Lab Procedures

Intro: In this lab activity, you will test the selectivity of dialysis tubing/cell membrane with iodine and starch.

Assignment: Molecules to test: iodine and starch

Materials: 1- 250 ml beaker, 10 cm of dialysis tubing (that has been soaking in water), pipette, string, scissors

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

<p style="text-align: center;">Dialysis tubing</p> 	<p>To prepare your dialysis tubing samples, soak the dialysis tubing in water for a few minutes.</p> <p>After a short water bath, manipulate the ends of the dialysis tubing open. Secure one open end of the DIALYSIS TUBING by TWISTING it shut and tying with a double-knotted string.</p> <p>Use a pipette to add the starch solution, then TWIST the open end shut and secure it with a double-knotted string. Carefully place the filled dialysis tubing in the 250 ml beaker with 200 ml of iodine.</p>
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Testing the Selectivity of Common Polymers Lab Procedures

Intro: In this lab activity, you will test the selectivity of a grocery store bag with iodine and starch.

Assignment: Molecules to test: iodine and starch

Materials: 1- 250 ml beaker, grocery store bag CHECK FOR ANY HOLES, string, scissors

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

	<p>Have one person hold the bag open and another person fill the bag with the starch solution.</p> <p>Then TWIST the open end shut and secure it with a double-knotted string.</p> <p>Carefully place the filled grocery store bag in your 250 ml beaker with 200 ml of iodine.</p>
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Testing the Selectivity of Common Polymers Lab Procedures

Introduction: In this lab activity, you will test the selectivity of plastic wrap with iodine and starch.

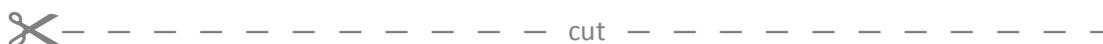
Assignment: Molecules to test: iodine and starch

Materials: 1- 250 ml beaker, 30 x 30 cm square of plastic wrap, string, scissors

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

		<p>Drape the plastic wrap over a beaker and carefully push the middle down into the beaker creating a bowl shape.</p> <p>Make sure the sides of the plastic wrap are above the rim of the beaker.</p> <p>Carefully pour the starch solution into the plastic wrap.</p> <p>Carefully pull the plastic wrap up and out.</p> <p>Twist the opening shut and secure it with a double-knotted string.</p> <p>Carefully place the filled plastic wrap in the 250 ml beaker with 200 ml of iodine.</p>
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Testing the Selectivity of Common Polymers Lab Procedures

Intro: In this lab activity, you will test the selectivity of a grocery store bag with iodine and starch.

Assignment: Molecules to test: iodine and starch

Materials: 1- 250 ml beaker, 1 zipper bag

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

<p>Zipper bag</p> 	<p>Have one person hold open the bag and another person fill the bag with 30 ml of starch solution.</p> <p>Close the zipper bag.</p> <p>Carefully place the filled zipper bag in the 250 ml beaker with 200 ml of iodine.</p>
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Testing the Selectivity of Common Polymers Lab Procedures

Intro: In this lab activity, you will test the selectivity of dialysis tubing/cell membrane with food coloring.

Assignment: Molecules to test: food coloring

Materials: 1- 250 ml beaker, 10 cm of dialysis tubing (that has been soaking in water), pipette, string, scissors

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

<p style="text-align: center;">Dialysis tubing</p> 	<p>To prepare your dialysis tubing samples, soak the dialysis tubing in water for a few minutes. After a short water bath, manipulate the ends of the dialysis tubing open. Secure one open end of the dialysis tubing by TWISTING it shut and tying with a double-knotted string.</p> <p>Use a pipette to add the food coloring solution then TWIST the open end shut and secure it with a double-knotted string.</p> <p>Carefully place the filled dialysis tubing in the 250 ml beaker with 200 ml of tap water.</p>
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Testing the Selectivity of Common Polymers Lab Procedures

Introduction: In this lab activity, you will test the selectivity of a grocery store bag with food coloring.

Assignment: Molecules to test: food coloring

Materials: 1- 250 mL beaker, grocery store bag CHECK FOR ANY HOLES, String, and Scissors.

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

	<p>Have one person hold the bag open and another person fill the bag with the food coloring solution.</p> <p>Then TWIST the open end shut and secure it with a double-knotted string.</p> <p>Carefully place the filled grocery store bag in the 250 ml beaker with 200 ml of tap water.</p>
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Testing the Selectivity of Common Polymers Lab Procedures

Introduction: In this lab activity, you will test the selectivity of plastic wrap with food coloring.

Assignment: Molecules to test: food coloring

Materials: 1- 250 ml beaker, 30 x 30 cm square of plastic wrap, string, scissors

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

		<p>Drape the plastic wrap over a beaker and carefully push the middle down into the beaker creating a bowl shape.</p> <p>Make sure the sides of the plastic wrap are above the rim of the beaker.</p> <p>Carefully pour food coloring solution into the plastic wrap.</p> <p>Carefully pull the plastic wrap up and out.</p> <p>Twist the opening shut and secure it with a double-knotted string.</p> <p>Carefully place the filled plastic wrap in the 250 ml beaker with 200 ml of tap water.</p>
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Testing the Selectivity of Common Polymers Lab Procedures

Intro: In this lab activity, you will test the selectivity of a grocery store bag with yellow marker dye.

Assignment: Molecules to test: yellow marker dye

Materials: 1- 250 ml beaker, 1 zipper bag

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

<p>Zipper bag</p> 	<p>Have one person hold the bag open and another person fill the bag with 30 ml food coloring solution.</p> <p>Close the zipper bag.</p> <p>Carefully place the filled zipper bag in the 250 ml beaker with 200 ml of tap water.</p>
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Testing the Selectivity of Common Polymers Lab Procedures

Intro: In this lab activity, you will test the selectivity of dialysis tubing/cell membrane with blue marker dye.

Assignment: Molecules to test: blue marker dye

Materials: 1- 250 ml beaker, 10 cm of dialysis tubing (that has been soaking in water), pipette, string, scissors

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

<p style="text-align: center;">Dialysis tubing</p> 	<p>To prepare your dialysis tubing samples, soak the dialysis tubing in water for a few minutes. After a short water bath, manipulate the ends of the dialysis tubing open. Secure one open end of the dialysis tubing by TWISTING it shut and tying it with a double-knotted string. Use a pipette to add tested blue marker dye solution then TWIST the open end shut and secure it with a double-knotted string. Carefully place the filled dialysis tubing in the 250 ml beaker with 200 ml of tap water.</p>
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Testing the Selectivity of Common Polymers Lab Procedures

Introduction: In this lab activity, you will test the selectivity of a grocery store bag with blue marker dye.

Assignment: Molecules to test: blue marker dye

Materials: 1- 250 ml beaker, grocery store bag CHECK FOR ANY HOLES, string, and scissors.

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

	<p>Have one person hold the bag open and another person fill the bag with the blue marker dye solution.</p> <p>Then TWIST the open end shut and secure it with a double-knotted string.</p> <p>Carefully place the filled grocery store bag in the 250 ml beaker with 200 ml of tap water.</p>
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Testing the Selectivity of Common Polymers Lab Procedures

Introduction: In this lab activity, you will test the selectivity of plastic wrap with blue marker dye.

Assignment: Molecules to test: blue marker dye

Materials: 1- 250 ml beaker, 30 x 30 cm square of plastic wrap, string, scissors

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

	<p>Drape the plastic wrap over a beaker and carefully push the middle down into the beaker creating a bowl shape.</p> <p>Make sure the sides of the plastic wrap are above the rim of the beaker.</p> <p>Carefully pour the blue marker dye into the plastic wrap.</p> <p>Carefully pull the plastic wrap up and out. Twist the opening shut and secure it with a double-knotted string.</p> <p>Carefully place the filled plastic wrap in the 250 ml beaker with 200 ml of tap water.</p>
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Testing the Selectivity of Common Polymers Lab Procedures

Introduction: In this lab activity, you will test the selectivity of a grocery store bag with blue marker dye.

Assignment: Molecules to test: blue marker dye

Materials: 1- 250 ml beaker, 1 zipper bag

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

<p>Zipper bag</p> 	<p>Have one person hold the bag open and another person fill the bag with 30 ml of blue marker dye solution.</p> <p>Close the zipper bag.</p> <p>Carefully place the filled zipper bag in the 250 ml beaker full of 200 ml of tap water.</p>
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Testing the Selectivity of Common Polymers Lab Procedures

Intro: In this lab activity, you will test the selectivity of dialysis tubing/cell membrane with yellow marker dye.

Assignment: Molecules to test: yellow marker dye

Materials: 1- 250 ml beaker, 10 cm of dialysis tubing (that has been soaking in water), pipette, string, scissors

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

Dialysis tubing	
	<p>To prepare the dialysis tubing samples, soak the dialysis tubing in water for a few minutes. After a short water bath, manipulate the ends of the dialysis tubing open. Secure one open end of the dialysis tubing by TWISTING it shut and tying it with a double-knotted string. Use a pipette to add yellow marker solution then TWIST the open end shut and secure it with a double-knotted string. Carefully place the filled dialysis tubing in the 250 ml beaker with 200 ml of tap water.</p>

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Testing the Selectivity of Common Polymers Lab Procedures

Introduction: In this lab activity, you will test the selectivity of a grocery store bag with yellow marker dye.

Assignment: Molecules to test: yellow marker dye

Materials: 1- 250 ml beaker, grocery store bag CHECK FOR ANY HOLES, string, scissors

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

	<p>Have one person hold the bag open and another person fill the bag with the yellow marker solution.</p> <p>Then TWIST the open end shut and secure it with a double-knotted string.</p> <p>Carefully place the filled grocery store bag in the 250 ml beaker with 200 ml of tap water.</p>
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Testing the Selectivity of Common Polymers Lab Procedures

Introduction: In this lab activity, you will test the selectivity of plastic wrap with yellow marker dye.

Assignment: Molecules to test: yellow marker dye

Materials: 1- 250 ml beaker, 30 x 30 cm square of plastic wrap, string, scissors

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

	<p>Drape the plastic wrap over a beaker and carefully push the middle down into the beaker creating a bowl shape.</p> <p>Make sure the sides of the plastic wrap are above the rim of the beaker.</p> <p>Carefully pour yellow marker dye solution into the plastic wrap.</p> <p>Carefully pull the plastic wrap up and out.</p> <p>Twist the opening shut and secure it with a double-knotted string.</p> <p>Carefully place the filled plastic wrap in the 250 ml beaker with 200 ml of tap water.</p>
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Intro: In this lab activity, you will test the selectivity of a grocery store bag with yellow marker dye.

Assignment: Molecules to test: yellow marker dye

Materials: 1- 250 ml beaker, 1 zipper bag

Note: All molecules you are testing are already prepared in solution and can be found labeled on the front lab bench.

Procedures: Follow the procedures below when creating your polymer setup.

<p>Zipper bag</p> 	<p>Have one person hold the bag open and another person fill the bag with 30 ml of marker dye solution.</p> <p>Close the zipper bag.</p> <p>Carefully place the filled zipper bag in the 250 ml beaker with 200 ml of tap water.</p>
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