Safety: Wear safety goggles, and be sure to follow all safety instructions given by your teacher. Wash your hands after completing the activity.

**ACTIVITY**

**Question to investigate:**
Do certain materials sink or float in water?

**Materials**
- Container with water
- Pencil
- Popsicle stick
- Birthday candle
- Crayon
- Penny
- Paper clip
- Eraser
- Rubber band

**Procedure**
1. Predict whether each object will sink or float when placed in water. Circle your choice for each object in the chart.
2. Place each object in the water one at a time to see if it sinks or floats. Circle the result for each object in the chart.

<table>
<thead>
<tr>
<th>Object</th>
<th>Prediction (Circle)</th>
<th>Actual (Circle)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crayon</td>
<td>Sink</td>
<td>Float</td>
</tr>
<tr>
<td>Popsicle stick</td>
<td>Sink</td>
<td>Float</td>
</tr>
<tr>
<td>Birthday candle</td>
<td>Sink</td>
<td>Float</td>
</tr>
<tr>
<td>Eraser</td>
<td>Sink</td>
<td>Float</td>
</tr>
<tr>
<td>Penny</td>
<td>Sink</td>
<td>Float</td>
</tr>
<tr>
<td>Paper clip</td>
<td>Sink</td>
<td>Float</td>
</tr>
<tr>
<td>Pencil</td>
<td>Sink</td>
<td>Float</td>
</tr>
<tr>
<td>Rubber band</td>
<td>Sink</td>
<td>Float</td>
</tr>
</tbody>
</table>
1. Which objects are made from what material?

Which objects are made from metal?
_____________ and _____________

Which objects are made from rubber?
_____________ and _____________

Which objects are made from wax?
_____________ and _____________

Which objects are made from wood?
_____________ and _____________

2. Which materials sink or float in water?

We discovered that a characteristic of metal is that it _________________.
(Sinks/Floats)

We discovered that a characteristic of rubber is that it _________________.
(Sinks/Floats)

We discovered that a characteristic of wax is that it _________________.
(Sinks/Floats)

We discovered that a characteristic of wood is that it _________________.
(Sinks/Floats)