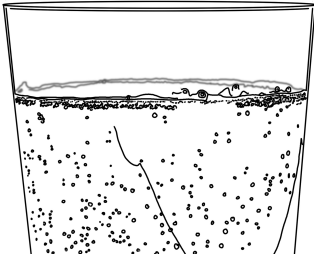


### 3.1 Predictions Tool: What do you predict you will observe when soda water fizzes?

	Macroscopic scale: <i>Make predictions about what you will observe.</i>	Atomic-molecular scale: <i>Explain your predictions using the Matter Movement and Matter Change Questions.</i>
<b>The Matter Movement Question</b>	<p><b>Predictions about mass</b></p> <p>What do you think will gain mass due to the movement of matter?</p> <p>What do you think will lose mass due to the movement of matter?</p>	<p>Where will the matter in the soda water move to after one day? <i>Draw labeled arrows to show how molecules might be moving into and out of the soda water.</i></p> 
<b>The Matter Change Question</b>	<p><b>Predictions about changes in BTB</b></p> <p>How will matter change in this system affect CO<sub>2</sub> in the air and the color of the BTB?</p>	<p>What molecules do you think are in the soda water before it was poured into the Petri dish?</p> <p>What molecules do you think atoms are in after the soda water fizzes for a while?</p> <p>What other molecules will be involved?</p> 