

Name: _____ Per _____

Gas Demos
Practice Sheet # 28

Demo	What did the teacher do?	Observations	Questions
1	<p>Poured 100 mL of 3 % hydrogen peroxide (H₂O₂) into 500 mL flask.</p> <p>Added 2 scoops of KI into flask with hydrogen peroxide.</p>		<p>KI is a catalyst and acting to speed up the decomposition of hydrogen peroxide. Write the balanced chemical equation for the decomposition of hydrogen peroxide.</p>
2	<p>Teacher lit a candle and then placed a beaker over it.</p>	<p>Prediction:</p> <p>Observation after Demo:</p>	<p>Explain your observations: What caused this?</p>
3.	<p>Teacher lit a candle in a beaker, and then puts dry ice in with the candle.</p>	<p>Prediction:</p> <p>Observations after Demo:</p>	<p>Explain your observations: What caused this?</p>
4.	<p>Teacher lit a wooden coffee, blew it out and then stuck the wooden coffee stirrer into the flask containing KI and H₂O₂.</p>	<p>Observations:</p>	<p>Explain your observations: What caused this?</p> <p>What gas must be produced from the decomposition of H₂O₂?</p> <p>What gas is causing this phenomena?</p>
5.	<p>Teacher pours the beaker of Dry Ice over the candle:</p>	<p>Prediction:</p> <p>Observations after Demo</p>	<p>Explain you observations: What caused this?</p>