***GPS - POE – What type of reaction?!***

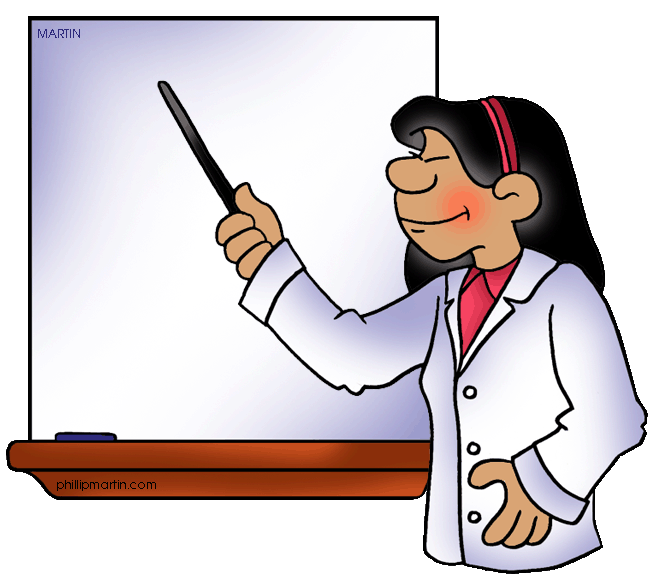
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We will be *predicting*, *observing*, and *explaining* a reaction involving **hydrogen peroxide(H2O2)**.

1. What do you know about hydrogen peroxide? Write your answer and then compare with your neighbor.  
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2. What is a catalyst?  
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3. .Now, we will add the materials together, using the catalyst (yeast). Circle the substances we will be using.

water oxygen hydrogen peroxide soap baking soda  
potassium iodide vinegar food coloring hydrogen gas

4. We will predict, observe, and explain. For each section, please write your answers quietly, and then compare with your neighbor.   
***P****redict – What do you think will happen?*I think that the reaction of the hydrogen peroxide will…   
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***O****bserve – What happened? Be specific! What did you see, hear, smell…*The reaction looked like: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
I also noticed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
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***E****xplain – Why did this happen? Use CHEMISTRY vocab!!*The reaction is most likely a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ reaction.  
I think it is this type of reaction because\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
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The chemical equation for the reaction is: