

Name: _____

Oxygen from Hydrogen Peroxide

Procedures:

1. Place a small amount of baker's Yeast in the corner of a new Ziploc bag.
2. Squeeze out all of the air, having the Ziploc closed except for one corner of the bag.
3. Insert a transfer pipette full of hydrogen peroxide H_2O_2 into the bag and seal completely.
4. Allow the hydrogen peroxide to contact the yeast.
5. Describe the reaction.
6. The gas in the bag is now mostly Oxygen (O_2)
7. Use a pipette to extract some of this gas and spray it on a glowing wooden splint.
8. Describe what happened as you sprayed the gas on the splint.

Questions:

- A. Does the oxygen gas burn?
- B. Write a balanced chemical equation for the reaction that generated the gas.
- C. What would happen if you added doubled the amount of hydrogen peroxide in the bag?
- D. List some possible uses for this gas.