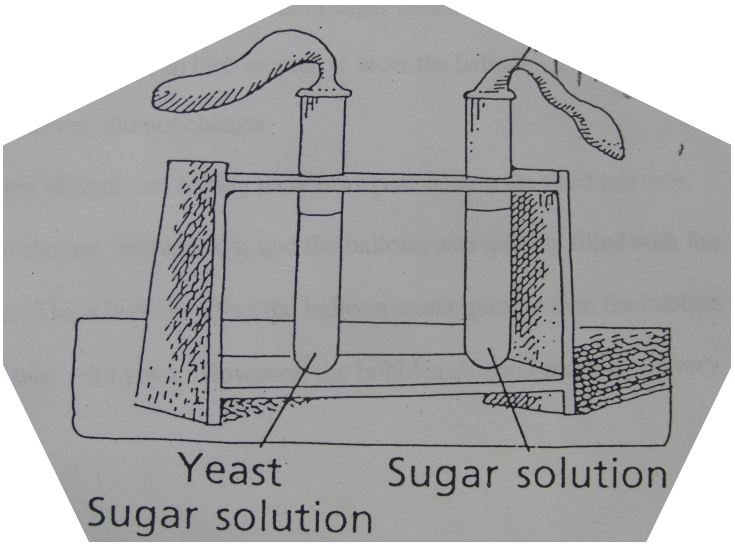
Name: _____ Homeroom: _____

Observing Yeast- Is it Alive?

Materials: Three Test Tubes, Three Balloons, Yeast, 5% sugar solution, Vinegar, Baking Soda

Procedure:

1. Fill two test tubes halfway with warm 5% sugar solution.
2. Add 1 gram of yeast to one of the tubes
3. Gently swirl contents to mix.
4. Cover the top of both tubes with balloons
5. Let both tubes stand for 20 minutes and record the changes you observe.
6. Look at yeast under a microscope and draw what you see.
7. Receive a third test tube with vinegar in it and a balloon with baking soda
8. Place baking soda filled balloon on the vinegar test tube.
9. Record the changes you observe.

Conclusion:

1. What can you infer about yeast from your observations?
2. Why did you have one test tube with no yeast?
3. What are some similarities and differences between the yeast filled test tube and the vinegar and baking soda test tube?