Anaerobic Respiration Lab

**PROCEDURE**

1) Pour yeast solution into test tubes A and B until they are half full.

2) Add sugar to test tube A.

3) Place the balloon over the opening to each test tube.

4) Record observations

What do you expect to happen? WHY? Write a hypothesis below.

Hypothesis:

**QUESTIONS**

While you are observing the test tubes, answer the following questions:

1) What type of anaerobic respiration are we observing in this lab?

2) What are the steps of anaerobic respiration?

3) What is the objective of fermentation?

4) What is the MAIN difference between the 2 types of anaerobic respiration?

5) Which form of anaerobic respiration occurs in our muscles?

6) How many total ATP are produced from this type of respiration?

**ANALYSIS**

1) What happened to each test tube?

2) Was your hypothesis correct?

3) If either balloon inflated, what gas was being produced?

4) Draw a venn diagram comparing aerobic and anaerobic respiration (see back)

**VENN DIAGRAM**

Anaerobic Respiration

Aerobic Respiration