**Student directions for a whiteboard prompt and enzyme experiment:**

**Guided Inquiry: Enzyme Catalyzed Biomass Conversion Reactions**

**1.) Choices for starting materials: Bread, Strawberry, Blueberries, Pretzel, Lactose, Beans, Milk, Pineapple, and how much with 100mL of water.**

**Guidelines for starting materials**

**2.) Chose your enzyme and amount: Beano, Lactase, Yeast, Saliva, Meat Tenderizers (Papain, Bromelain)**

**3.) What will you measure as the product? Glucose, CO2 Gas Pressure (only yeast + sugar)**

**Control: Should match Trial #1 but have no \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**Trial #2: What will you change in the experiment to test a variable (heat, cold, acid, more enzyme, different enzyme? more substrate?) What are your predictions?**



**Get approval of your experiment and data table on the whiteboard, then record the experiment plan on paper (each member).**