RATE AFFECTING FACTORS LAB DATA, POST LAB QUESTIONS, AND DATA ANALYSIS

In this lab you will be performing four different lab tasks. Each task will demonstrate one of the four major rate affecting factors. You will take qualitative AND quantitative data. Your purpose is to be able to observe which factors affect the rate, which direction they affect the rate (faster or slower), and also to EXPLAIN why they affected the rate the way they did.

TEMPERATURE
Cold vs. Hot

DATA:	Post Lab Question: *Did the rate of reaction increase or decrease as temperature went up?*	Data Analysis: *Why???*

SURFACE AREA
Small vs. Large

DATA:	Post Lab Question: *Did the rate of reaction increase or decrease as surface area increased?*	Data Analysis: *Why???*

CONCENTRATION
Low vs. High

DATA:	Post Lab Question: *Did the rate of reaction increase or decrease as surface area increased?*	Data Analysis: *Why???*

CATALYST
Not Present vs. Present

DATA:	Post Lab Questions: *Did the rate of reaction increase or decrease when a catalyst was added?* *What was the difference between the two rates for the two with catalysts?*	Data Analysis: *Why???* Data Analysis: *Why???*