Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class Period: \_\_\_\_\_\_\_\_\_\_\_\_\_

**IVCDV Chart & Hypothesis Practice**

Directions:

1. Choose 4 out of the following six problems. Steps 2-4 can be done on the front & back of this paper.
2. Make an IVCDV chart for the problem you chose. **Use your notes** to see how to do this.
3. Using your IVCDV chart, write a hypothesis using the proper if/then format. (it’s **in your notes** if you need help!).
4. Design a data table that you would use if you were going to actually test your problem. Use your IVCDV chart to make the data table. **See your notes** if you need help.

Problem Question #1

Alpha’s dentist explains that acidic soda can decay his teeth faster. Alpha decides to test out some different drinks to see which one dissolves a jolly rancher the fastest, so he can avoid having too much of that & keep his teeth healthy. Choose 3-4 soda types.

Problem Question #2

Do different genres of music have an effect on plant growth? Choose 3-4 styles of music.

Problem Question #3

Stephie wonders if different drinks affect how long the flavor of her favorite bubble gum will last once she starts chewing. Choose 3-4 drinks.

Problem Question #4

Juan once heard that hot water freezes faster than cold water. He wants to test it out.

Problem Question #5

Lara wants to convince her mom to stop smoking. She decides to set up an experiment to test if the number of years a person has smoked affects how long they can hold their breath.

Problem Question #6

A coach wants to see what brand of tennis shoe has the most positive affect on his players’ performance.

Choose 1 athletic event (jumping, running, etc) and 3-4 brands of shoe.