Name: _____

Scientific Method – Practice with Variables

Read each of the case studies below. Complete the chart and formulate a hypothesis for the experiment.

1. Tommy wants to conduct an experiment to determine the effects of various volumes of music on the amount of milk produced by a goat.

Independent Variable (IV)	Dependant Variable (DV)	2 Controlled Variables (CV)

Hypothesis: IF _____ then _____

2. Gary wants to determine if drinking large amounts of Dr Pepper can increase your heart rate.

Independent Variable (IV)	Dependant Variable (DV)	2 Controlled Variables (CV)

Hypothesis: IF _____ then _____

3. Ethan wants to test which type of coke causes him to burp the most – regular or diet.

Independent Variable (IV)	Dependant Variable (DV)	2 Controlled Variables (CV)

Hypothesis: IF _____ then _____

4. Katlyn wants to conduct an experiment to test if changing the amount of baking soda she adds to her cookies will change how hard they are.

Independent Variable (IV)	Dependant Variable (DV)	2 Controlled Variables (CV)

Hypothesis: IF _____ then _____

5. Phil wants to determine if can change the amount of eggs his hen lays by changing the amount of food it is fed.

Independent Variable (IV)	Dependant Variable (DV)	2 Controlled Variables (CV)

Name: _____

Hypothesis: IF _____ then _____

6. Lisa wants to test which type of water (bottled or tap) keeps her cut roses alive the longest.

Independent Variable (IV)	Dependant Variable (DV)	2 Controlled Variables (CV)

Hypothesis: IF _____ then _____

7. Tim wants to test if eating large amounts of Skittles will affect how much a person will sleep in a night.

Independent Variable (IV)	Dependant Variable (DV)	2 Controlled Variables (CV)

Hypothesis: IF _____ then _____

8. Matt wants to know if increasing the water temperature in his fish tank will cause the corals to grow faster.

Independent Variable (IV)	Dependant Variable (DV)	2 Controlled Variables (CV)

Hypothesis: IF _____ then _____