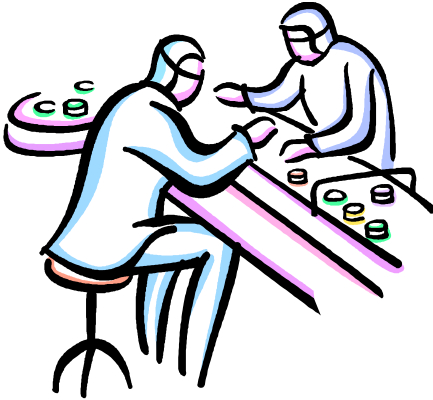


Independent Investigation

Writing your Scientific Question ~ 8 points

Name _____

Date _____ Score _____



IMPORTANT NOTE:

- A good scientific question is based on careful observation.
- A good scientific question can be investigated.

By carefully completing these steps you will choose a good scientific question that you will be able to investigate using an experiment.

Scientific Question approved:

*To be able to investigate your idea with an experiment you will need to have something that you can change. These things are called the **independent variables**. Describe in clear specific sentences 3 things that you could change or vary to learn more about your science question:*

- 1.
- 2.
- 3.

*To be able to investigate your idea with an experiment you will need to have some result that you can measure. Something that changes because of what you did in an experiment is called the **dependent variable**. Describe in clear specific sentences 3 things that you think might happen in your experiment that you could measure or observe:*

- 1.
- 2.
- 3.

Pick one thing from your list of independent variables above that you can change and write it in the first blank below. Then choose one thing that you can measure from the list of dependent variables that you made above and write it in the second blank below.

If _____,
what will happen to _____?

<i>Scientific Question check:</i>	<i>Points</i>	<i>Student check</i>	<i>Teacher check</i>
Final Question	(4)	_____	_____
Appropriate Independent variable:	(2)	_____	_____
Appropriate Dependent variable:	(2)	_____	_____