DO NOW 9/22

Why do scientists follow the scientific method?

•To show the whole scientific world how a conclusion was found.

•This allows other scientists to check results for themselves.

•It can also lead to more questions.

Does the scientific method always go in the same order?

•No, sometimes steps are skipped or repeated.

But in this class...

After the experiment

•After many scientists have tested many related hypotheses a unifying explanation may be reached.

•This explanation is known as a **theory**.

•Theory:  a set of ideas that tie together many observations.  Theories are always well tested by many scientists.

•Law:  describes how some part of nature acts under certain conditions.