

What is an idea?

brainstorm

Something you think of

- A thought that you have about a particular topic

Science is knowledge
that we obtain by
studying, researching, observing,
↓ experimenting with the
world around us.

Why are ideas important to science?

- Ideas can turn into an invention or a cure - something that can help our world
- Without ideas there is no science
 - no electricity, space travel, TV, etc...
- Ideas and thoughts turn into new discoveries.
- If there were no ideas, there would be no theories and without theories there would be no science.



Levels of Knowledge

OPINION - something that YOU think
* personal

IDEA - a thought you have about a particular topic

Theory - an idea that has been tested and has support but lacks concrete proof.

Fact - an idea that has been tested and has concrete proof

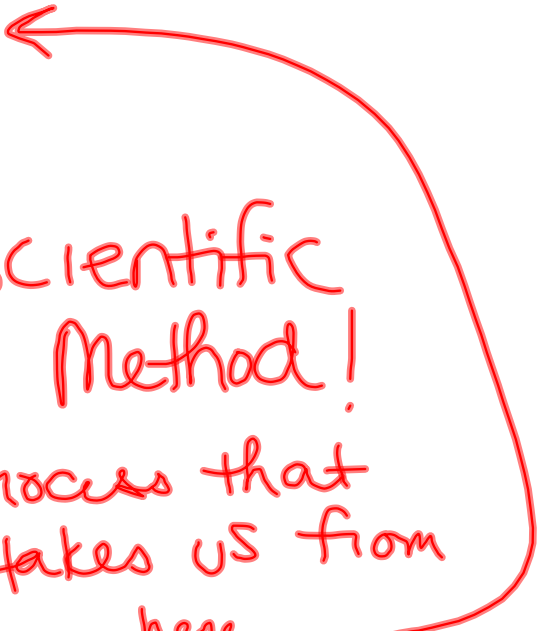
OPINION

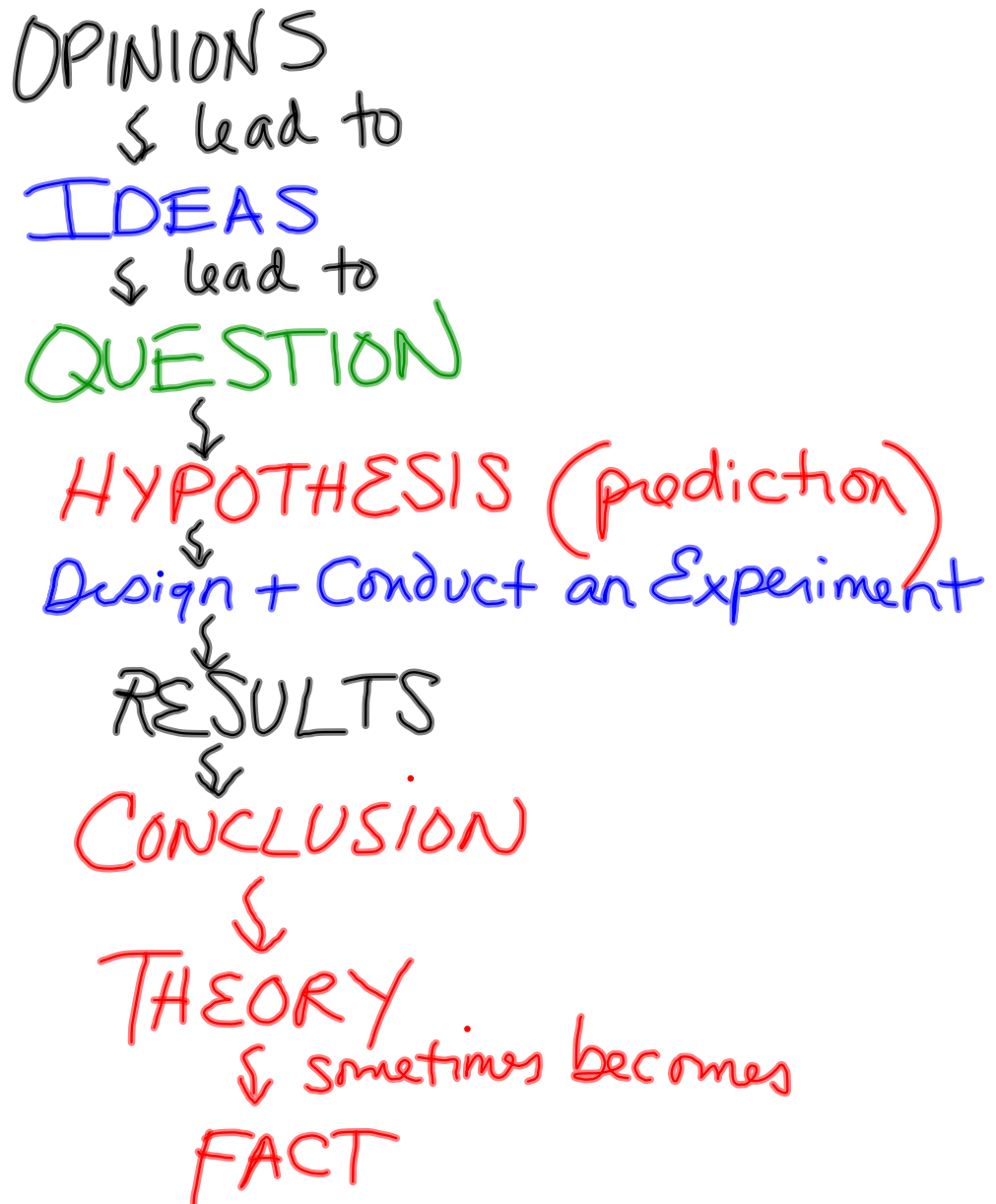
how do we get here?



Theories + Facts

Scientific Method!
process that takes us from here to here





Theories

String theory
Evolution

Global Warming

Theory of Relativity

Plate Tectonic Theory

have
Support