

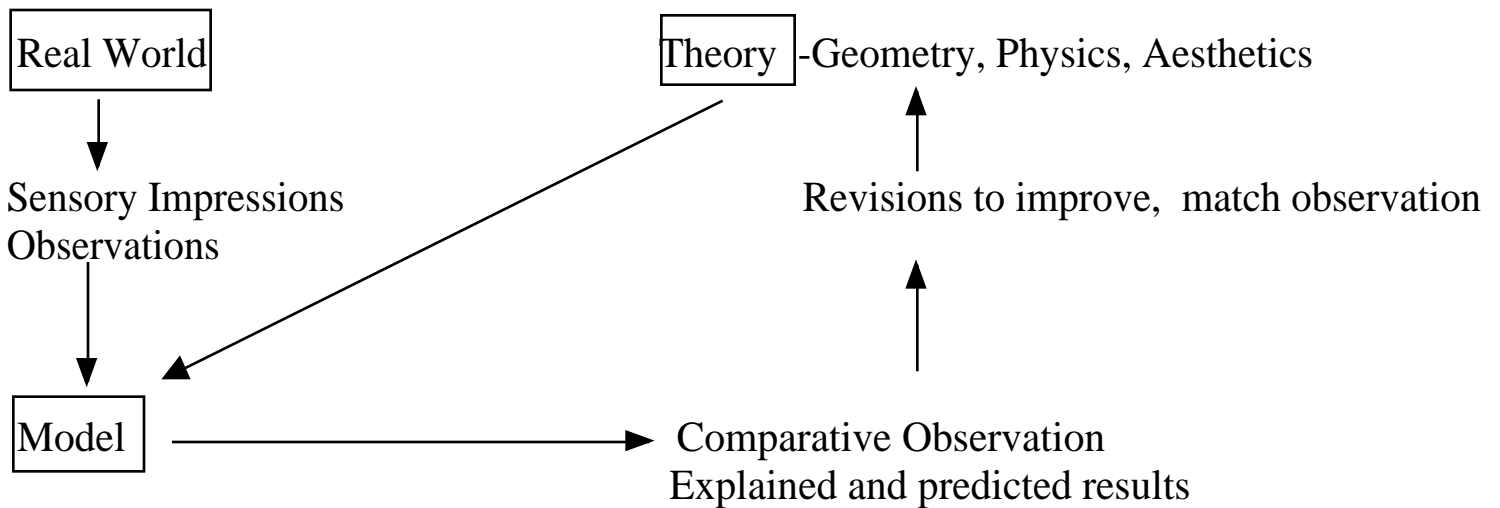
Wings of Fire, Eyes of Glass

The beginning

Before we begin our journey there will discuss The Scientific Method and Science Modeling.

A Scientific Model

1. Explains what is seen
2. Predicts accurately what can be seen.



The Scientific Method

- A series of steps to test a causal relationship.
- The method of inquiry calls for specific action and a desired result.

How?

- By observation
- By measurement
- By classification

What is an hypothesis

- tentative theory that has not yet been tested.
- an assumption
- an idea
- a guess

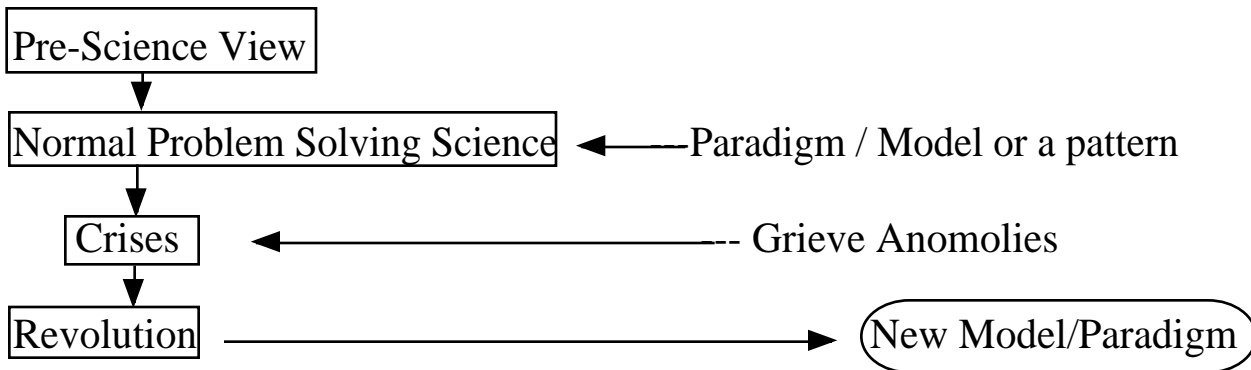
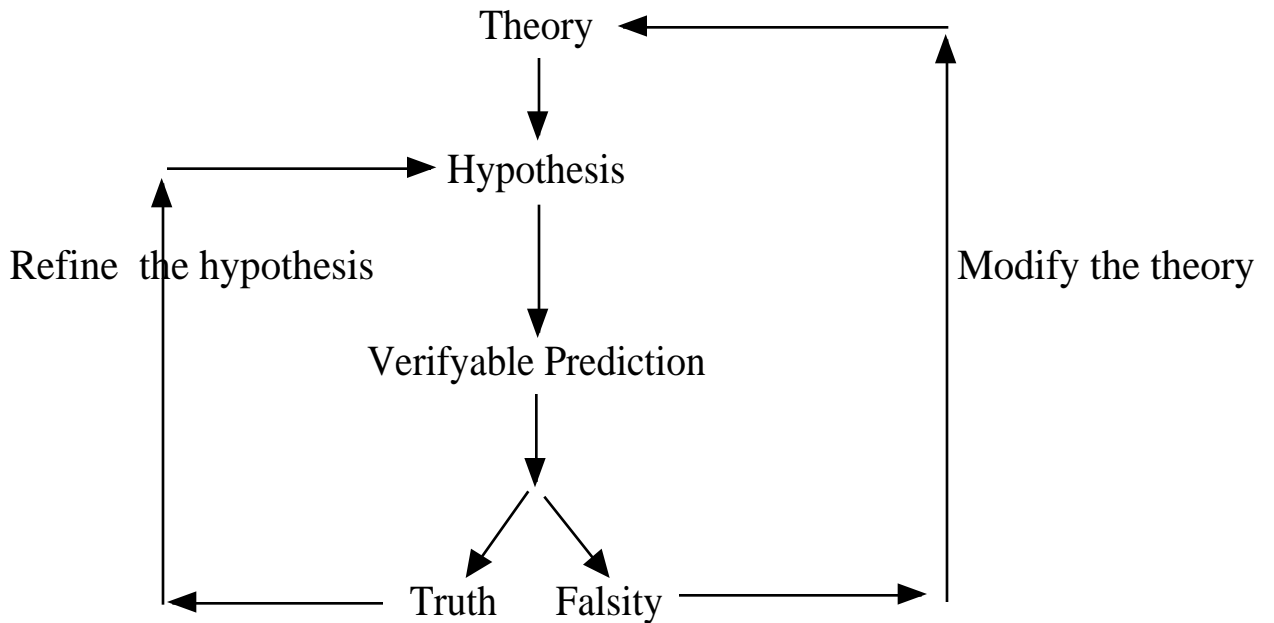
Testing Hypothesis

- does it make predictions?
- Does it explain a phenomenon
- Is the result a repeatable experiment

Testing Looks for

- Truth
- Falsity

Scientific progress is made when an hypothesis is shown to be true or false.



The Scientific Creed as summed up by Thomas Huxley.
 “God give me the strength to face a fact though it may slay me.”