

# FACTS

Observations agreed upon by competent observers



# HYPOTHESES

Educated guess that can be tested through experimentation



# LAWS

Hypotheses that have been repeatedly tested and never refuted

Ex. Newton's Laws of Motion

Ex. Law of Conservation of Energy



# THEORIES

Synthesis of facts, hypotheses, and laws

"Explains WHY something happens"

Ex. Atomic Theory

Ex. Theory of Evolution



**REMEMBER:**

Scientific facts, laws, and theories are **NOT ABSOLUTE TRUTHS**

As new information becomes available, scientific concepts are **ADAPTED & CHANGED** to reflect the latest evidence.