

A fact is a statement or assertion that can be objectively verified as true or false based on empirical evidence or observable reality. Facts are distinct from opinions, beliefs, or interpretations, as they are based on objective, verifiable information rather than personal perspectives or subjective judgments. Here are some key characteristics of facts:

Objectivity: Facts are objective and independent of personal feelings, biases, or interpretations. They are true regardless of one's opinion or perspective.

Verifiability: Facts can be verified through empirical evidence, observation, experimentation, or reliable sources of information. They are not reliant on faith or subjective experience.

Consistency: A fact remains consistent and true across different contexts and for different observers. It does not change based on personal beliefs or cultural differences.

Universality: Facts are generally accepted as true by a wide range of people or experts in a particular field. They are not limited to a specific group or individual.

Examples of facts include:

Water boils at 100 degrees Celsius (at standard atmospheric pressure).

The Earth orbits the Sun.

Oxygen is necessary for human respiration.

The chemical formula for water is H₂O.

The capital of France is Paris.

The United States declared independence from Great Britain on July 4, 1776.

The acceleration due to gravity on Earth is approximately 9.81 meters per second squared (9.81 m/s²).

Facts serve as the foundation for building knowledge and understanding of the world. In scientific research, for example, facts form the basis for theories and hypotheses. In everyday life, facts provide the basis for making informed decisions, solving problems, and communicating about objective reality. It's important to distinguish facts from opinions or beliefs, especially in discussions and debates, to ensure a shared understanding of reality.

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Last update: **2025/05/13 02:00**

