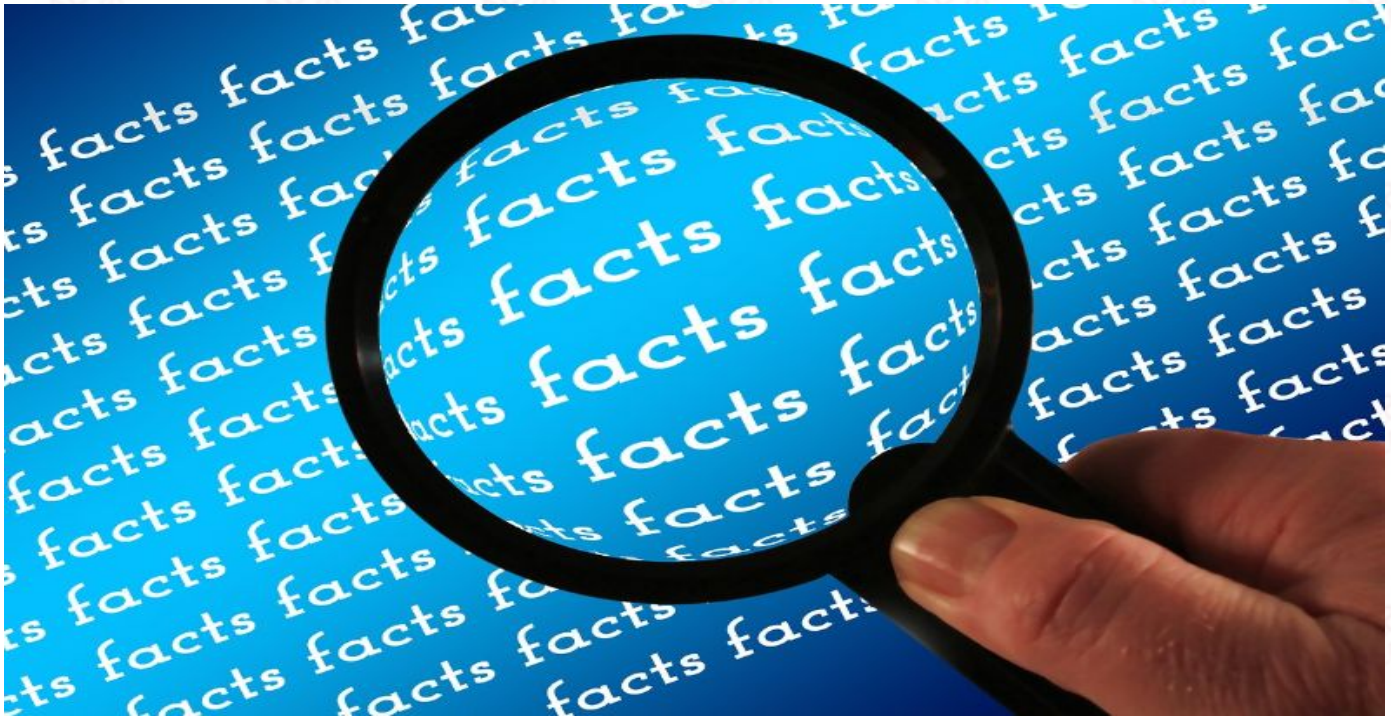
# FACTS OF SCIENCE

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# Vocabulary

**Matter**: a particular substance.

**Rust**: a reddish- or yellowish-brown coating of iron oxide that is formed on iron or steel by oxidation, especially in the presence of moisture.

**Cartilage**: firm, flexible connective tissue, more widespread in the infant skeleton, being replaced by bone during growth.

**Replenish**: to fill up something again.

**Propel**: to push or move something ahead with a lot of force.

**Tectonic**: relating to the structure of the surface of the earth and way it is formed.

**Mantle**: the region of the earth's interior between the crust and the core, believed to consist of hot, dense silicate rocks (mainly peridotite).

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- **Water can boil and freeze at the same time**

It's called the 'triple point', and it occurs when the temperature and pressure is just right for the three phases (gas, liquid, and solid) of a substance to coexist in thermodynamic equilibrium, i.e. when all the three phases achieve the same temperature.

- **The Mysterious 95 Percent**

Humans can only see about 5 percent of the **matter** in the universe. The rest is made up of invisible matter (called dark matter) and a mysterious form of energy known as dark energy.

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