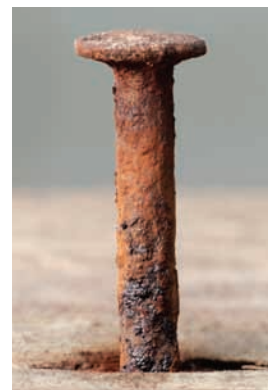


# Properties of Matter

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# Glossary

**atom** (AT-uhm) a tiny building block of matter; the smallest unit of an element that has the properties of that element **(16)**

**balance** (BAL-uhns) a tool for measuring mass **(5)**

**chemical property** (KEM-i-kuhl PROP-ur-tee) a property of a substance that describes how the substance reacts with other substances **(13)**

**compound** (KOM-pound) a substance that is made up of the atoms of more than one element and that forms as the result of a chemical reaction **(22)**

**density** (DEN-si-tee) a measure of the amount of mass per unit volume of a substance **(7)**

**electron** (i-LEK-tron) a tiny part of an atom with a negative charge that moves in the space around the nucleus **(16)**

**element** (EL-uh-muhnt) a substance that cannot be broken down chemically into simpler substances and is made up of only one type of atom **(17)**

**gas** (GAS) the state of matter that has no definite volume and no definite shape **(11)**

**liquid** (LIK-wid) the state of matter that has a definite volume but not a definite shape **(10)**

**mass** (MAS) a measure of the amount of matter in an object **(5)**

**matter** (MAT-ur) anything that takes up space and has mass **(4)**

**metal** (MET-l) an element that is a solid, is usually shiny, and is a good conductor of heat and electricity **(19)**

**molecule** (MOL-i-kyool) the smallest unit of a substance that can exist alone and still have the properties of that substance **(21)**

**neutron** (NOO-tron) a tiny part of an atom with no charge that is located in the nucleus of the atom **(16)**

**nucleus** (NOO-klee-uhs) the central part of an atom, made up of protons and neutrons **(16)**

**periodic table** (pir-ee-OD-ik TAY-buhl) a chart in which elements are arranged according to their chemical properties **(18)**

**physical property** (FIZ-i-kuhl PROP-ur-tee) a characteristic of a substance that can be observed or measured **(4)**

**proton** (PROH-ton) a tiny part of an atom with a positive charge that is located in the nucleus of the atom **(16)**

**solid** (SOL-id) the state of matter that has a definite volume and a definite shape **(9)**

**state of matter** (STAYT uhv MAT-ur) the physical form of a substance **(9)**

**volume** (VOL-yoom) a measure of the amount of space an object takes up **(6)**