

## What is chemistry?

**chemistry**: The science that studies the composition, structure and properties of *matter*.

### What is matter?

**matter**: Anything that has mass and takes up space.

examples: \_\_\_\_\_

### What isn't matter?

- light, sound, heat (any form of energy)

**atom**: The smallest unit of matter that can take part in a chemical change.

The smallest particle of an element that has all the chemical properties of that element.

Examples of atoms are: \_\_\_\_\_

**molecule**: A group or cluster of atoms bonded together.

The smallest particle of a compound that has all the chemical properties of that compound.

Examples of molecules are: \_\_\_\_\_