

ALL MATTER

Is the matter composed of one type of atom only?
Is the name of the matter found on the periodic table?

NO

YES → **ELEMENT**

Is the matter composed of only one type of molecule?
Is the matter represented by a single chemical formula?

NO

YES → **COMPOUND**

Is the matter composed of more than one type of particle
and appears homogeneous?

NO

YES → **SOLUTION**

Is the matter composed of more than one type of particle
and appears heterogeneous?

YES → **MECHANICAL MIXTURE**