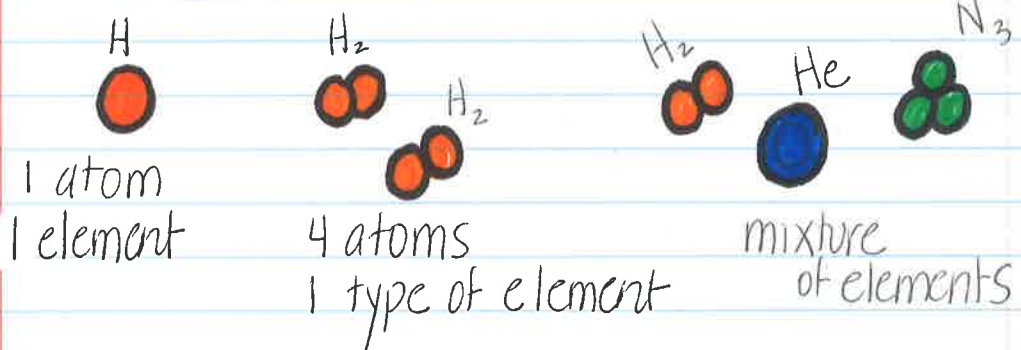


The Nature of Matter Notes

Matter is anything that has mass and takes up space.

An element is a pure substance that cannot be broken down into other substances by chemical or physical means.

An element consists of only one type of atom.



On average 10^{14} atoms per cell (human body)

100,000,000,000,000 = 100 trillion

An atom is the smallest particle that retains the chemical identity of the element.

Compounds are two or more different elements chemically bonded together.

