

# I. Chemistry in Biology

a) What is matter?

anything that takes up space and has mass

b) Atom

↳ smallest unbreakable unit of matter

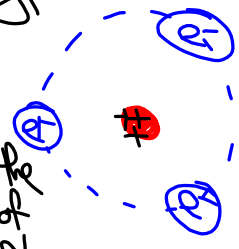
c) Atom vs Element

↳ describing a specific type of atom

d) Elements

#protons

↳ determines the properties of the element



\*Biology

4 major

C, O, H, N

20-25 Trace

\*Example - Iodine

lack of Iodine in diet can result in a goiter

e) Element vs Compounds

~~O<sub>2</sub>~~

↳ atoms of different elements joined together

N<sub>2</sub>

H<sub>2</sub>O CH<sub>4</sub>

H<sub>2</sub>

NaCl

# II. Atomic Structure

a) Bohr Model

3 major components → sub-atomic particles

① Protons (+) > 1 amu

② Neutrons (0)

③ Electrons (-) ~ 0 amu