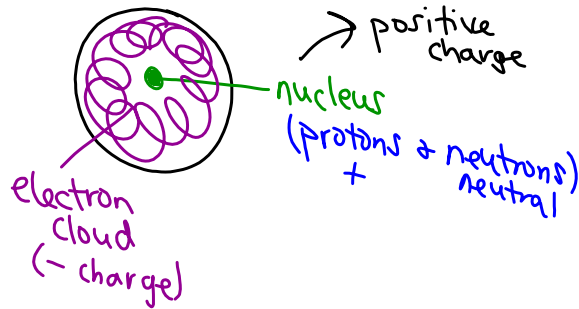


# Atoms & Subatomic Particles

atom - the smallest particle of an element that retains the properties of that element



## How atoms differ

atomic number - number of protons in an atom

\* because atoms are neutral, # of protons + electrons are the same

Potassium	atomic #
19	
K	atomic symbol
39	atomic mass # (protons + neutrons)

↳ avg.

isotopes - atoms with same number of protons but different # of neutrons

atomic mass # = # of protons + # of neutrons

number of neutrons = mass # - atomic #

9
Fluorine
19

atomic # - 9  
mass # - 19

p. 99 # 11-13, p. 101 # 14, p. 104 # 20