

Ch. 17 Review

Elements

- Periodic Table

- Atomic #

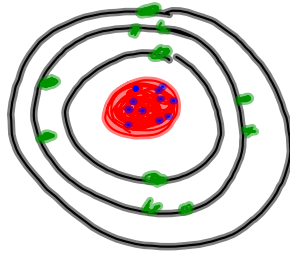
- Symbol

- Name

- H is most abundant
- H, O, C most imp. 4 living org.
- 115; 90 occur in Nat.
- composed of
Atoms

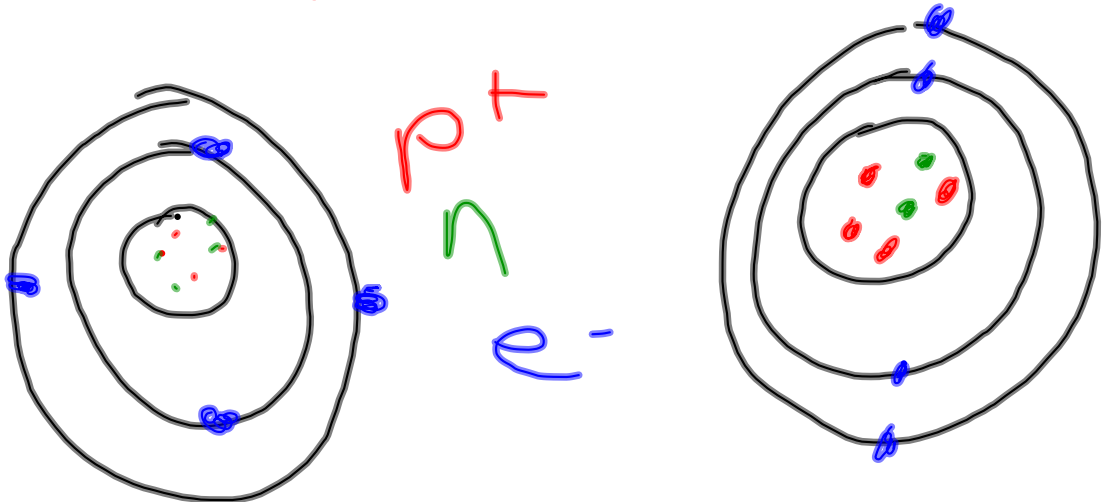
Evidence for Atoms
- how do we see them
microscopes, Gold Foil

Shell Model



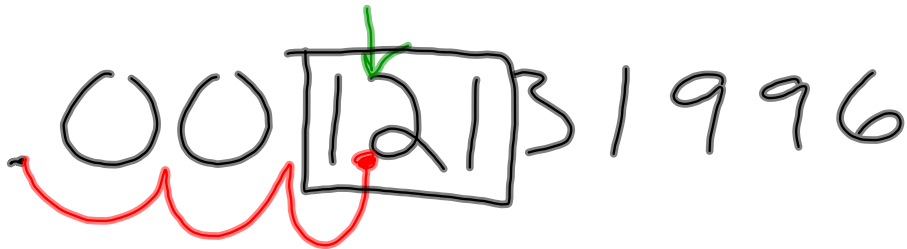
Brownian Motion
- "jiggling"

Isotope \rightarrow Radio Active





$$1.21 \times 10^7$$



$$1.21 \times 10^{-3}$$

$$\begin{array}{r} 1126.1996 \rightarrow 0.113 \times 10^3 \\ + 197511.16 \rightarrow 1.98 \times 10^5 \\ \hline \end{array}$$

$$\begin{array}{r} .0113 \times 10^5 \\ + 1.98 \times 10^5 \\ \hline \boxed{1.99} \times 10^5 \end{array}$$