

- ③ proton +1 nucleus (p^+)
 neutron 0 nucleus (n^0)
 electron -1 outside (e^-)

- ④ Each element has a unique number of protons and therefore electrons. Electron interaction is what determines chemical properties.

- ⑤
- | | |
|-----------------|------|
| atomic number | SAME |
| number of p^+ | SAME |
| number of n^0 | DIFF |
| number of e^- | SAME |
| element symbol | SAME |
| mass # | DIFF |

↑

$$p^+ + n^0 = \text{mass \#}$$

