

# How to draw Bohr models

SEPT 24 2015

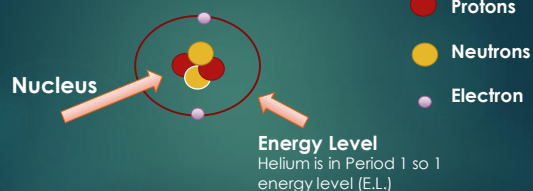
## Models

- ▶ They help you conceptualize ideas
- ▶ Visual representation of events or objects that are unobservable with equipment.

## Drawing Bohr Models

- ▶ **1<sup>st</sup> Construct the nucleus of atom (Atomic Mass and Mass Number)**
- ▶ **2<sup>nd</sup> Construct the Energy Levels**
  - ▶ The period the element is in = the number of energy levels
- ▶ Draw the correct number of electrons in each energy level ( $2n^2$  for MAX electrons each energy level can hold)
  - ▶ 1<sup>st</sup> E.L = 2 max el.      2<sup>nd</sup> E.L = 8 max el.

## Bohr Model Helium atom ( $Z = 2$ ; $A = 4$ )



## Assignment

- ▶ Fold your paper into 8 equal parts.
- ▶ Draw 8 Bohr Models
  - ▶ 4 from period 2 & 4 from period 3
- ▶ Make it neat and use color