

Drawing A Bohr Model

Name: _____

Period _____

Date _____

In order to draw a Bohr model of an atom, follow these simple steps:

1. Choose an element from the periodic table
2. Find this element on the periodic table by the atomic number
3. Gather your information:

symbol of element =

C

atomic number =

6

atomic mass =

12

of protons =

6

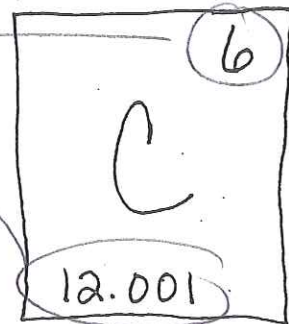
of electrons =

6

of neutrons =

$12 - 6 = 6$

mass - number = 6 neutrons



(round)

4. REMEMBER THE PATTERN FOR FILLING ENERGY LEVELS:

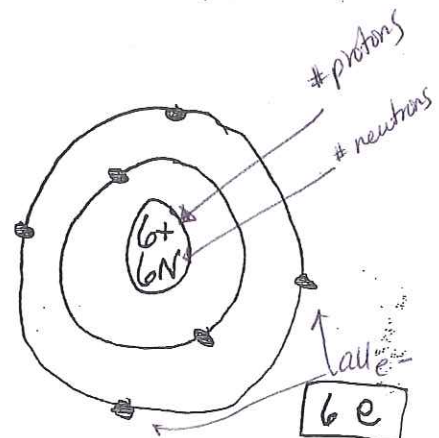
1st shell = up to 2 electrons

2nd shell = up to 8 electrons

3rd shell = up to 8 electrons

5. Draw your picture: (refer to overhead for sample)

6. Draw elements 1-18



you need a copy of the periodic
table to do this - you are translating
the table into Bohr diagrams

Bohr Atomic Models

Name _____

Period _____

Atomic
Mass

12.001

C

Atomic Symbol

Atomic
Number

6

Carbon

Atomic Number = _____

Atomic Mass = _____

Hydrogen 1

Helium 2

Lithium 3

Beryllium 4

Boron 5

Carbon 6

Nitrogen 7

Oxygen 8

Fluorine 9

Neon 10

Sodium 11

Magnesium 12

Aluminum 13

Silicon 14

Phosphorus 15

Sulfur 16

Chlorine 17

Argon 18