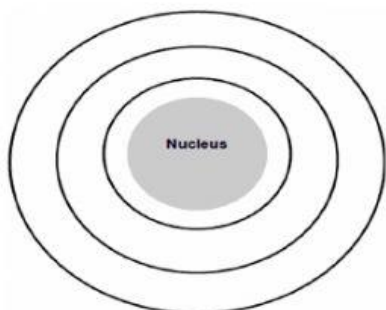




### Atomic Structure 101 Video Review

1. Who created the Bohr Model? \_\_\_\_\_
2. What is the Bohr Model? \_\_\_\_\_
3. Follow along with the video and complete the Bohr Model for Hydrogen below:

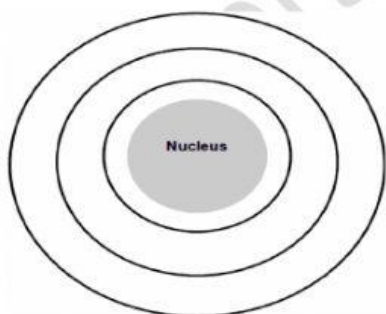


Protons = \_\_\_\_\_  
Neutrons = \_\_\_\_\_  
Electrons = \_\_\_\_\_  
Atomic # = \_\_\_\_\_  
Mass # = \_\_\_\_\_  
Valence electrons = \_\_\_\_\_

4. How do you find the mass number for an element? \_\_\_\_\_
5. Follow along with the video and complete the Bohr Model for Sodium below:

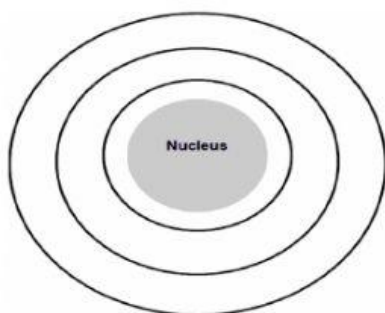
Protons = \_\_\_\_\_  
Neutrons = \_\_\_\_\_  
Electrons = \_\_\_\_\_  
Atomic # = \_\_\_\_\_  
Mass # = \_\_\_\_\_  
Valence electrons = \_\_\_\_\_

6. Follow along with the video and complete the Bohr Model for Neon below:



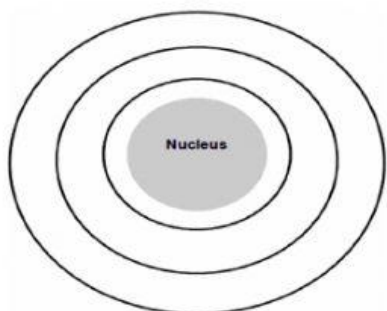
Protons = \_\_\_\_\_  
Neutrons = \_\_\_\_\_  
Electrons = \_\_\_\_\_  
Atomic # = \_\_\_\_\_  
Mass # = \_\_\_\_\_  
Valence electrons = \_\_\_\_\_

7. Follow along with the video and complete the Bohr Model for Helium below:



Protons = \_\_\_\_\_  
Neutrons = \_\_\_\_\_  
Electrons = \_\_\_\_\_  
Atomic # = \_\_\_\_\_  
Mass # = \_\_\_\_\_  
Valence electrons = \_\_\_\_\_

8. Follow along with the video and complete the Bohr Model for Calcium below:



Protons = \_\_\_\_\_  
Neutrons = \_\_\_\_\_  
Electrons = \_\_\_\_\_  
Atomic # = \_\_\_\_\_  
Mass # = \_\_\_\_\_  
Valence electrons = \_\_\_\_\_

### Atomic Structure Quiz

1. What 3 subatomic particles are located in an atom? \_\_\_\_\_
2. What 2 subatomic particles are located in the nucleus of an atom? \_\_\_\_\_
3. What subatomic particle has a positive charge? \_\_\_\_\_ Negative charge? \_\_\_\_\_  
Neutral/no charge? \_\_\_\_\_
4. Electrons are located outside of the nucleus in the \_\_\_\_\_
5. You calculate the mass number by adding \_\_\_\_\_
6. How do you find the number of valence electrons? \_\_\_\_\_
7. The number of protons is the same as the \_\_\_\_\_
8. What subatomic particle is the identify of an element? \_\_\_\_\_
9. Why is the nucleus of an atom positive? \_\_\_\_\_
10. What 2 subatomic particles cancel each other out? \_\_\_\_\_