

Science 8**Lesson C3 Introduction ~ Protons, Neutrons, & Electrons**

1. What does atom mean?
2. What is the difference between molecules and atoms?
3. What does the atomic number represent?
4. What does the mass number represent?
5. What charge do protons have?
6. What charge do neutrons have?
7. What charge do electrons have?
8. What can you find in a nucleus of an atom?
9. In a neutral atom, what is the ratio of protons to electrons?

10. Complete the table:

| Name | Symbol | # of Protons | # of Neutrons | # of Electrons (for a neutral atom) |
|-----------|--------|--------------|---------------|--|
| Carbon | | | | |
| | Cl | | | |
| | | 20 | | |
| | | | | 24 |
| Potassium | | | | |
| | Zn | | | |
| | | 53 | | |
| | | | | 79 |
| | U | | | |