

Name _____

Period _____

ATOMIC STRUCTURE WORKSHEET #2

1. Define atomic number and atomic mass.
2. What is the atomic number of titanium? How many protons does a titanium atom have? How many electrons does it have?
3. Give the **atomic mass** of each of the following atoms:
 - a. beryllium with 5 neutrons
 - b. titanium with 26 neutrons
 - c. gallium with 39 neutrons
 - d. iron with 30 neutrons
4. Define **isotope**.
5. Calcium-40 has _____ protons, _____ neutrons, and _____ electrons.
6. Tin-119 has _____ protons, _____ neutrons, and _____ electrons.
7. Carbon-13 has _____ protons, _____ neutrons, and _____ electrons.
8. An element has 8 protons and 9 neutrons.
 - a. What element is it?
 - b. How many electrons are in one atom of this element?
 - c. What is its atomic mass?
9. An element has 46 neutrons and 36 electrons.
 - a. How many protons are in one atom of this element?
 - b. What is its atomic mass?
 - c. What element is it?