

Name: _____ Date: _____ Group: _____

This test is on: _____

Atomic Structure Study Guide

Use your notes and the word bank to answer the following questions. Some words may be used twice.

Mass neutron(s) subatomic particles proton (use twice) nucleus

1. The atomic _____ of a neutral atom tells you the total number of protons plus neutrons in an atom.
2. _____ is the name given to Protons, electrons and neutrons.
3. _____ determines the identity of an atom.
4. A _____ is a neutrally charged subatomic particle found in the nucleus.
5. The _____ is the center of an atom that contains protons and neutrons.
6. _____: a positively charged subatomic particle found in the nucleus

Draw the Bohr Model for the listed atom.

7. Lithium
8. Oxygen
9. Neon

10. Hydrogen

11. Carbon

Fill in the chart below. Use APE MAN and/or the periodic table

Element	Atomic Number	Atomic Mass	Protons	Neutrons	Electrons
A	8				8
B		11	5		
C		9			4
D	12		12		

12. What is the identity of element D?

13. What is the identity of element C?

Use the Periodic Table and your notes to answer the following questions.

14. Gold (Au) = _____ protons

15. The atomic number of _____ is 20 and is shown on the periodic table as Ca

16. Aluminum (Al) has an atomic mass of _____.

17. A neutral atom of Sodium (Na) has an atomic number of 11 and an atomic mass of 23. How many electrons does Sodium (Na) contain? _____

