

Name: \_\_\_\_\_

## **Honors Chemistry Unit 1 Study Guide: Chapters 4, 11, & 19**

1. What particles are found in the nucleus of an atom? What is the charge of the nucleus? What is the charge of the atom? It would be helpful to draw and label this.

**In the nucleus, there are protons and neutrons, the charge is positive, a charge of an atom is neutral**

2. Draw and label the parts found within a box on the periodic table.

3. How is an atom's atomic number related to its number of protons? Number of electrons?

**The atom's number is the same as it's number of protons and electrons**

4. What is the charge of the nucleus for element atomic number 56?

**It is positive charge**

5. Which particles account for most of an atom's mass?

**The protons and neutrons**

6. How is mass number related to the number of protons and neutrons an atom has?

**The mass number is the sum of protons and neutrons**

7. When you do not know the units of mass, what can you use? Write the full name and abbreviation.

**You can use amu or atomic mass units**

8. Distinguish between Democritus' idea and Dalton's atomic theory.

9. What parts of Dalton's atomic theory are now known to be false?

10. Draw and label the five atomic models discussed in class.

# Study Guide And Workbook For Honors Chemistry

**Liying Dong**



## **Study Guide And Workbook For Honors Chemistry:**

Barron's Science 360: A Complete Study Guide to Chemistry with Online Practice Barron's Educational Series, Mark Kernion, Joseph A. Mascetta, 2021-09-07 provides a complete guide to the fundamentals of chemistry Page 4 of cover

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