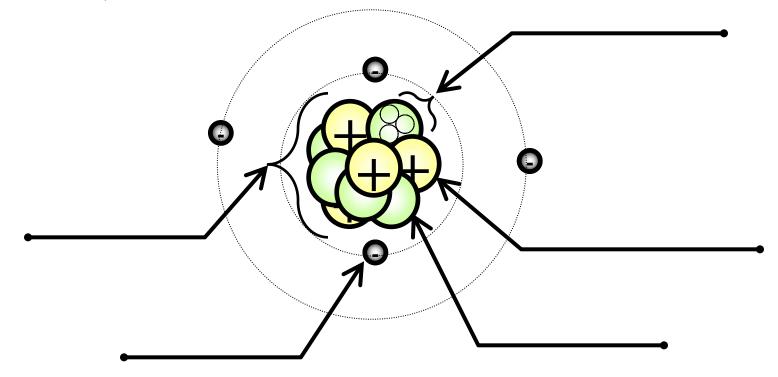
Name: \_\_\_\_\_ Section: \_\_\_\_\_

Parts of the Atom

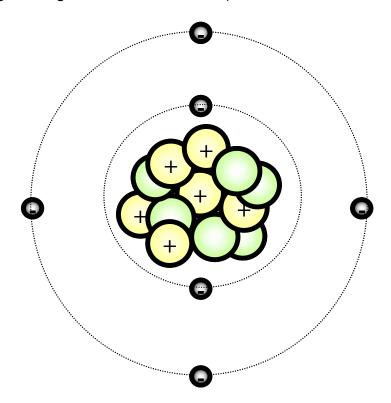
<u>Part 1</u> - Label the parts of the atom below (protons, neutrons, electrons, nucleus, quarks).



<u>Part 2</u> - Answer the following questions.

- 1. \_\_\_\_\_What part of the atom has no charge?
- 2. \_\_\_\_\_What part of the atom has a positive charge?
- 3. \_\_\_\_\_What part of the atom has a negative charge?
- 4. \_\_\_\_\_How many electrons can be held in the first orbital (closest to the nucleus)?
- 5. \_\_\_\_\_How many electrons can be held in the second orbital?
- 6. \_\_\_\_\_How many electrons can be held in the third orbital?
- 7. \_\_\_\_\_There are the same number of these two particles in an atom.
- 8. \_\_\_\_\_ The atomic number is the same as the number of these particles.
- 9. \_\_\_\_\_ The mass number is determined by which particles?

Part 3 - Using the diagram below, answer the questions that follow.



- 1. \_\_\_\_\_How many protons does the atom have?
- 2. \_\_\_\_\_How many neutrons does the atom have?
- 3. \_\_\_\_\_How many electrons does the atom have?
- 4. \_\_\_\_\_What is the atomic number of the atom?
- 5. \_\_\_\_\_What is the mass number of the atom?