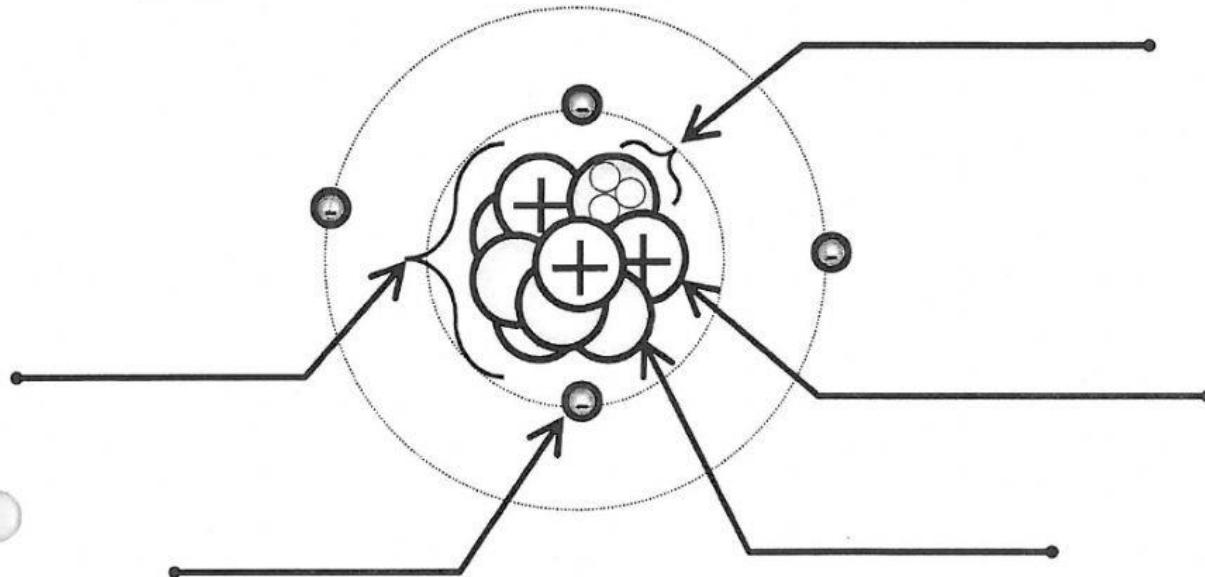


Name: _____ Section: _____
Parts of the Atom

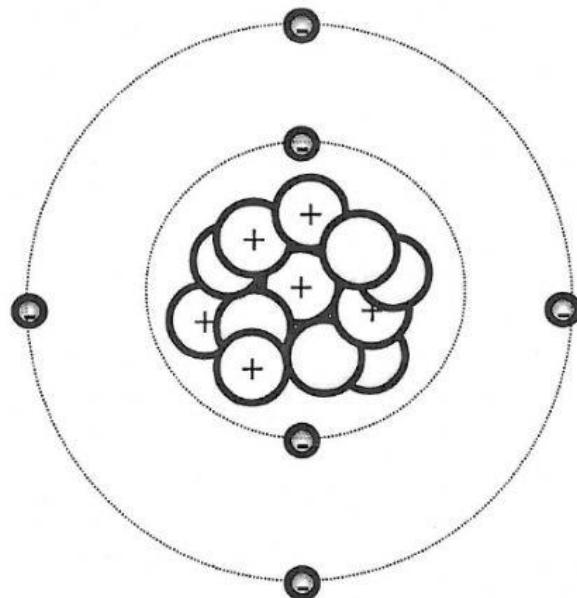
Part 1 - Label the parts of the atom below (protons, neutrons, electrons, nucleus, quarks).



Part 2 - Answer the following questions.

- _____ What part of the atom has no charge?
- _____ What part of the atom has a positive charge?
- _____ What part of the atom has a negative charge?
- _____ How many electrons can be held in the first orbital (closest to the nucleus)?
- _____ How many electrons can be held in the second orbital?
- _____ How many electrons can be held in the third orbital?
- _____ There are the same number of these two particles in an atom.
- _____ The atomic number is the same as the number of these particles.
- _____ 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?