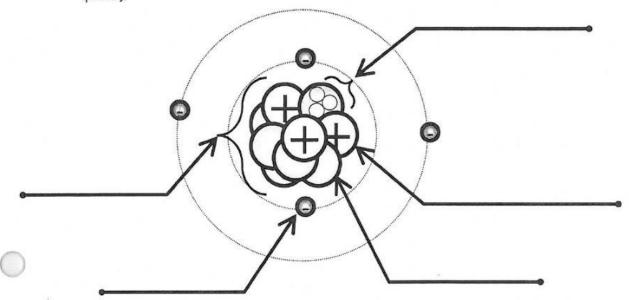
Name:	Section:	
Pants of the Atom		

 $\underline{Part\ 1}$  - Label the parts of the atom below (protons, neutrons, electrons, nucleus, quarks).

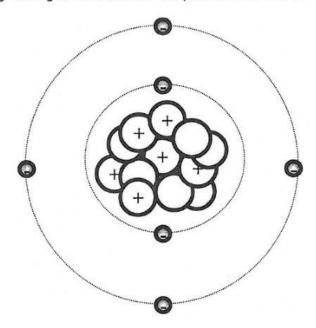


Part 2 - Answer the following questions.

•	M/hat nont	of the atom	har no chance?
1.	wnat part	or 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?

 $\underline{\text{Part 3}}$  – 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?