

Name: Class Copy

Period: Subject: Int Science

Activity 1 - Beginning the Language

Apply

1. What are the three basic particles which make up an atom?
2. The mass of an atom is mostly due to which subatomic particle(s)?
3. The charge on an atom is due to which subatomic particle(s)?
4. The nucleus of an atom is made up of which subatomic particle(s)?
5. What two results did Rutherford see in his gold foil experiment?
6. What two things did this experiment tell us about the structure of the atom?
7. If you change the number of protons in an atom, what happens?
8. If you change the number of electrons in an atom, what happens?
9. If you change the number of neutrons in atom, what happens?
10. What is an element?

Copy the following table into your notebook and fill it in completely. Make sure that you change the numbers for the appropriate particles in questions #14 and 15.

element	symbol	# protons	# electrons	# neutrons
11. Magnesium				
12. Sulfur				
13. Argon				
14. Oxygen ion				
15. Strontium-90				