

Atoms and Elements

Name _____ Per. _____

1. Explain the difference between an atom and an element.
2. What is Chemistry the study of? _____
3. Use the periodic table. List the names of any 12 elements that you have heard of before. Next to the name, write the atomic symbol for each element.
4. What did John Dalton say atoms were like?
5. Dalton thought atoms were solid particles that could not be broken down into anything smaller. Was he correct? _____ Explain why.
6. Where do cathode rays get their names?
7. Cathode rays strike the positive end of the tube. This positive electrode is called an _____.
8. What is the difference between an anode and a cathode?
9. What is the name of the first subatomic particle ever discovered? _____
What is the electric charge on this particle?
10. List two other subatomic particles and give the electric charge on each.