0Name _____ Period _____ Date _____ Seat ___

Unit 1 – Mass and Change Study Guide

Objectives	Explain, define or draw a diagram
1. Define mass. Define volume. Give appropriate units for each.	Mass: Volume: Mass units _____, volume units_____
2. Define matter	
3. Develop, from experimental evidence, the law of conservation of system mass	
4. Histogram and picture (before & after) of stretching steel wool	
5. Exlain using a histogram; use the histogram to interpret trends in the data.	
6. Histogram and pictures (before & after) of melting ice	
7. Histogram and picture (before & after) of disolving sugar	
8. Histogram of Alka Seltzer in water and picture (before & after)	
9. Histogram of mixing chemical A & B and picture (before & after)	
10. Histogram of heating steel wool and picture (before & after)	
11. Precipitate	

Objectives	Explain, define or draw a diagram
12. Open System	
13. Closed System	
14. When a nail rusts, does the mass of the rusty nail increase, decrease or stay the same (assume no rust fall off the nail when weighing). Why?	
15. Reactant (rxt)	
16. Product (prod)	
17. Reaction (Rx) or chemical reaction, define and give an example with symbols	
18. Physical Change (define and give some examples).	
19. Chemical Change (define and give some examples	
20. Democritus	
21. Particle model of matter	
22.	
23.	