

Chemistry Worksheet



Section 2-1 Composition of Matter

1. Define matter.
2. Define mass.
3. Explain the difference between mass & weight.
4. Why do biologists study chemistry?
5. Define element.
6. Name the 4 elements that make up 90% of the mass of living things. Give the symbol for each of these elements.
7. Explain why some elements such as sodium have odd symbols.
8. Sketch a block from the periodic table and label the atomic number, atomic mass, & symbol for the element.
9. Define atom and tell whether they can be seen.
10. What is the center of an atom called & what 2 subatomic particles are found there?
11. How does the charge of a proton differ from the charge of a neutron?
12. Where is most of the mass of an atom concentrated?
13. How is the atomic number of an element determined?
14. What is the charge on an electron?
15. Explain why the overall or net charge on an atom is zero.
16. Where are electrons found in an atom & describe their movement?
17. In which energy levels do the electrons have more energy?
18. How many electrons can these energy levels hold --- a. first? b. second?