

Name: _____

CH 2 Worksheet

1. CH₃OH contains 12 grams, 13 moles, and 120 atoms what will be each number and how would you?
2. In Carbon (12), what does the 12 stand for?
3. Define Compound.
4. Water bonds with to what forming?
5. Water molecules are polar with the oxygen being slightly _____ and the hydrogen being slightly _____.
6. Salt water is an example of what type of solution?
7. Distilled water in the lab is an example of what type of solution?
8. What is the difference between acids and bases?
9. Why is water a special compound to other liquids?
10. List the four macromolecules and the elements that make up each.
11. List the common functions of proteins.
12. In chemical reactions, atoms are _____.
13. Chemical reactions that release energy often occur _____.
14. What are the functions of enzymes?
15. How are the four ions of _____.
16. When atoms share two electrons, they are joined by a double _____ bond.
17. How is hydrogen bonds, water has a high _____ capacity.
18. Define buffers.
19. List a function of lipids.
20. How is lipids utilized in cells?
21. What is the difference between a molecule and cells (tissue)?
22. What does the pH scale measure?
23. Enzymes vs. Hormones
24. The water molecules usually used in what?
25. Why are water molecules polar?
26. What is the difference between a solution and a cell?
27. Draw the skeletal structure of glucose and name the various charged groups including a complete carbon chain.
28. Draw an saturated, unsaturated and polyunsaturated fatty acid.
29. Draw the general structure of an amino acid and label the functional groups.