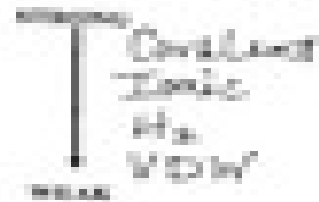


24. Place each type of the types of bonds and interactions discussed in the lecture (Show them in order from the strongest to the weakest: hydrogen bonds, van der Waals interactions, ionic bonds, covalent bonds).



25. Use description and explanation as examples to explain why molecular shape is crucial in biology.  
*Covalent shape divides the condensation and hydrolysis by binding to and releasing groups that are essential for and release energy.*

26. Write the chemical balanced equation for photosynthesis. Label the reactants and the products.



27. For the equation you just wrote, how many molecules of carbon dioxide are there? 6  
 How many molecules of glucose? 1 How many atoms of glucose? 24

28. What is meant by dynamic equilibrium? Does this imply equal concentrations of each reactant and product?

*The point at which the reactions affect one another equally. reactants combine but no net effect on conc. of reactants or products.*