24. Here is a list of the types of bonds and interactions discussed in this section. Place them in order from the strongest to the weakest: hydrogen bonds, van der Waals interactions, covalent bonds, ionic bonds.



25. Use morphine and endorphins as examples to explain why molecular shape is crucial in biology.

Concept 2.4 Chemical reactions make and break chemical bonds

- Write the chemical shorthand equation for photosynthesis. Label the reactants and the products.
- For the equation you just wrote, how many molecules of carbon dioxide are there?

 How many molecules of glucose?

 How many elements in glucose?
- 28. What is meant by dynamic equilibrium? Does this imply equal concentrations of each reactant and product?

Testing Your Knowledge: Self-Quiz Answers

Now you should be ready to test your knowledge. Place your answers here:

1.____2.___3.___4.___5.___6.___7.___8.____

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