**Results and Analysis**

1. Draw and color your DNA candy creation. Label each of the **six** parts.
2. What do the toothpicks represent?
3. What does the licorice represent?
4. What do the gummy bears represent?
5. How many gummy bears form each step of the ladder?
6. What color did your cytosine gummy bear always pair with? Why?
7. Describe the pattern of base pair matching for the two strands of DNA. Which bases are paired together?
8. How many total of each of the following did you us in your model?
   1. Sugar molecules?
   2. Phosphate molecules?
   3. Adenine molecules?
   4. Guanine molecules?
   5. Thymine molecules?
   6. Cytosine molecules?
9. Why do you think DNA is called a **double helix**?
10. Where is DNA found in our bodies?
11. Which of the following do you think contains DNA?
    1. Bananas Yes/No
    2. Concrete Yes/No
    3. Fossils Yes/No
    4. Meat Yes/No
    5. Metal Yes/No
    6. Spinach Yes/No
    7. Strawberries Yes/No
    8. Puppies Yes/No
12. Describe the relationship between DNA and genes.
13. Write **ONE** sentence that connects each of the following words. DNA; gene; chromosome; cell; nucleus; traits
14. What did you learn and like about this activity?