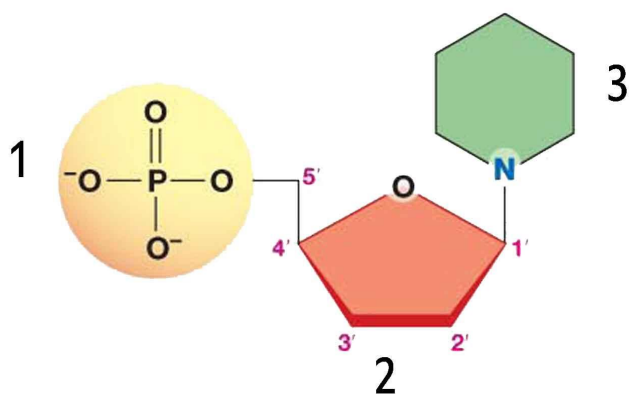


DNA Structure Handout

As you work your way through the DNA structure interactive activity, answer the following questions to help you collect the relevant information.

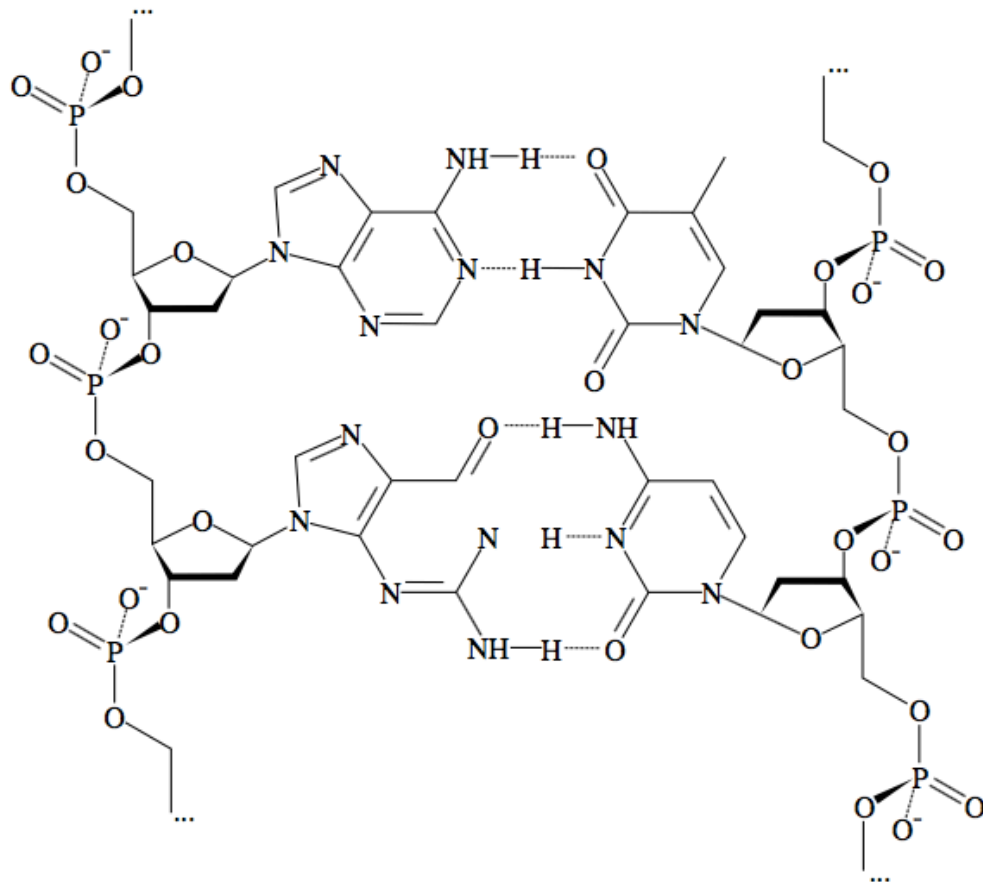
1. What are nucleotides made up of? Label the following nucleotide image with the correct parts.



2. What are the two types of pentose sugars found in nucleotides? What are their properties?
3. What are the five types of nitrogenous bases? Which of the two categories do they fall under (hint: purine or pyrimidine)?

4. Describe the DNA structure. Label the following diagram.

Word bank: Hydrogen bond, 5' end, 3' end, phosphodiester bond to 5' end, phosphodiester bond to 3' end, backbone



5. What are the complimentary base pairs? How many hydrogen bonds do they have holding them together?

6. Explain the directionality of DNA strands.