Sci 9 CYU p47 #1,2,4,5,7

1. DNA carries the genetic material (all the information for the running of a cell and protein making). Chromosomes are structures that contain the cell’s DNA. Chromosomes are only visible when the cell is dividing.
2. DNA is in shape of twisted ladder
   1. sides of DNA are made up of sugar and phosphate
   2. rungs are nucleotides
   3. nucleotides are made up of nitrogenous bases: adenine, guanine, thymine, cytosine
3. 4. Cytosine joins with guanine, adenine joins with thymine and vice versa
4. 5. It is the **sequence of these base pairs** that determine the genetic code. A gene is a segment of DNA that codes for a specific protein.
5. 7. 1. Nitrogenous bases, 2. Nucleotide, 3. DNA segment, 4. Nucleous.