



DNA & Chromosomes Review Questions

1. What does DNA stand for?
 - A. Deoxyribonucleic acid
 - B. Double nucleotide arrangement
 - C. Dynamic nuclear acid
 - D. Direct nitrogen arrangement
2. Where in the cell is DNA found?
 - A. Cell membrane
 - B. Cytoplasm
 - C. Nucleus
 - D. Ribosome
3. What shape is the DNA molecule?
 - A. A single straight line
 - B. A twisted ladder (double helix)
 - C. A circle
 - D. A cube
4. Which four bases make up the "rungs" of DNA?
 - A. A, U, G, C
 - B. A, T, G, C
 - C. A, T, U, G
 - D. C, D, E, F
5. Which base always pairs with adenine (A) in DNA?
 - A. Guanine (G)
 - B. Thymine (T)
 - C. Cytosine (C)
 - D. Uracil (U)
6. What is a chromosome?
 - A. A cell part that provides energy
 - B. A protein that digests food
 - C. A tightly coiled strand of DNA
 - D. A small cell that carries oxygen
7. Which best describes the function of DNA?
 - A. To give the cell energy
 - B. To store instructions for making proteins
 - C. To transport nutrients
 - D. To fight infections
8. About how many chromosomes are found in most human cells?
 - A. 23
 - B. 46
 - C. 12
 - D. 100
9. If DNA is compared to a twisted ladder, what makes up the "sides" of the ladder?
 - A. Sugars and phosphates
 - B. Nitrogen bases
 - C. Proteins
 - D. Ribosomes
10. Why are chromosomes important?
 - A. They carry the cell's genetic information
 - B. They protect the cell membrane
 - C. They give cells food
 - D. They create energy for the cell