



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