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1. A nucleoside is composed of

- a) **a base+ a sugar**
- b) a base+ a sugar+ phosphate
- c) a base+ a phosphate
- d) none of these

2. Genetic mutation occurs in

- a) Protein
- b) RNA
- c) **DNA**
- d) Nucleus

3. DNA is present in

- a) nucleus only
- b) nucleus, mitochondria and ER
- c) **nucleus, mitochondria and chloroplast**
- d) nucleus, mitochondria and RER

4. DNA is the genetic material in

- a) viruses, prokaryote and eukaryote
- b) prokaryote and eukaryote
- c) only in eukaryotes
- d) **in some viruses, prokaryotes and eukaryotes**

5. The two strands in a DNA double is joined by

- a) Co-valent bond
- b) Hydrogen bond**
- c) ionic bond
- d) phosphodiester bond

6. Chromatin is composed of

- a) nucleic acids and protein**
- b) nucleic acids only
- c) proteins only
- d) none of these

7. The basic repeating units of a DNA molecule is

- a) nucleoside
- b) nucleotide**
- c) histones
- d) aminoacids

8. Adjacent nucleotides are joined by

- a) covalent bond
- b) phosphodiester bond**
- c) ionic bond
- d) peptide bond

9. The length of one turn of DNA is

- a) 3.4 \AA°
- b) 34 \AA°**
- c) 20 \AA°
- d) 3.04 \AA°

10. The type of sugar in DNA are

- a) triose
- b) tetrose
- c) pentose**
- d) hexose