

Question 1: Under appropriate conditions DNA will form a hybrid with a complementary _____.

- DNA
- RNA
- Both DNA and RNA
- None of the given

Question 2: When linked to vitamins nucleotides are structural components of several essential coenzymes, for example

- coenzyme A
- coenzyme B
- coenzyme C
- coenzyme D

Question 3: Adenosine 3-phosphate-5-phosphosulfate is the _____ donor.

- Sulfate
- Phosphate
- Adenosine
- None of the given

Question 4: The "energy carrier" ATP is an example of a(n):

- deoxyribonucleoside triphosphate
- di-nucleotide
- ribonucleotide
- ribonucleoside triphosphate

Question 5: These _____ bonds, plus the van der Waals and hydrophobic interactions between the adjacent stacked bases, stabilize the structure of the double helix.

- phosphodiester
- nitrogen
- hydrogen
- None of the given

Question 6: Nucleosomes can be packed more tightly to form a polynucleosome also called a nucleofilament or a _____ nm fiber.

- 10
- 30
- 50
- 100