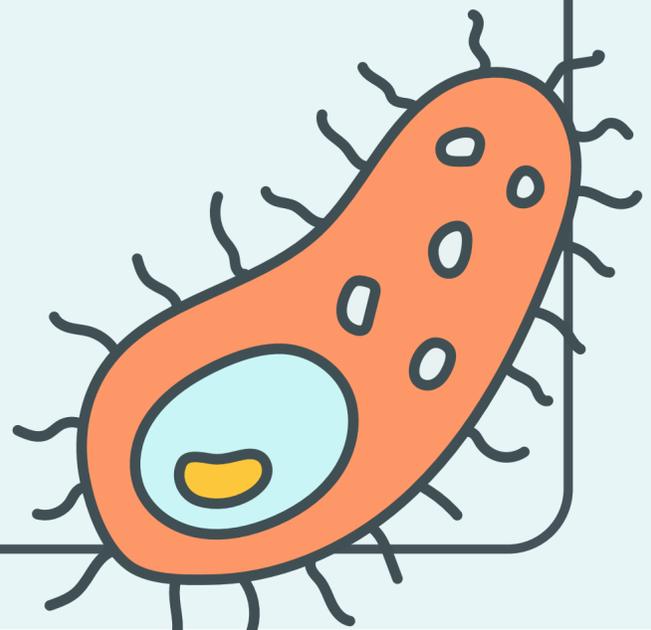
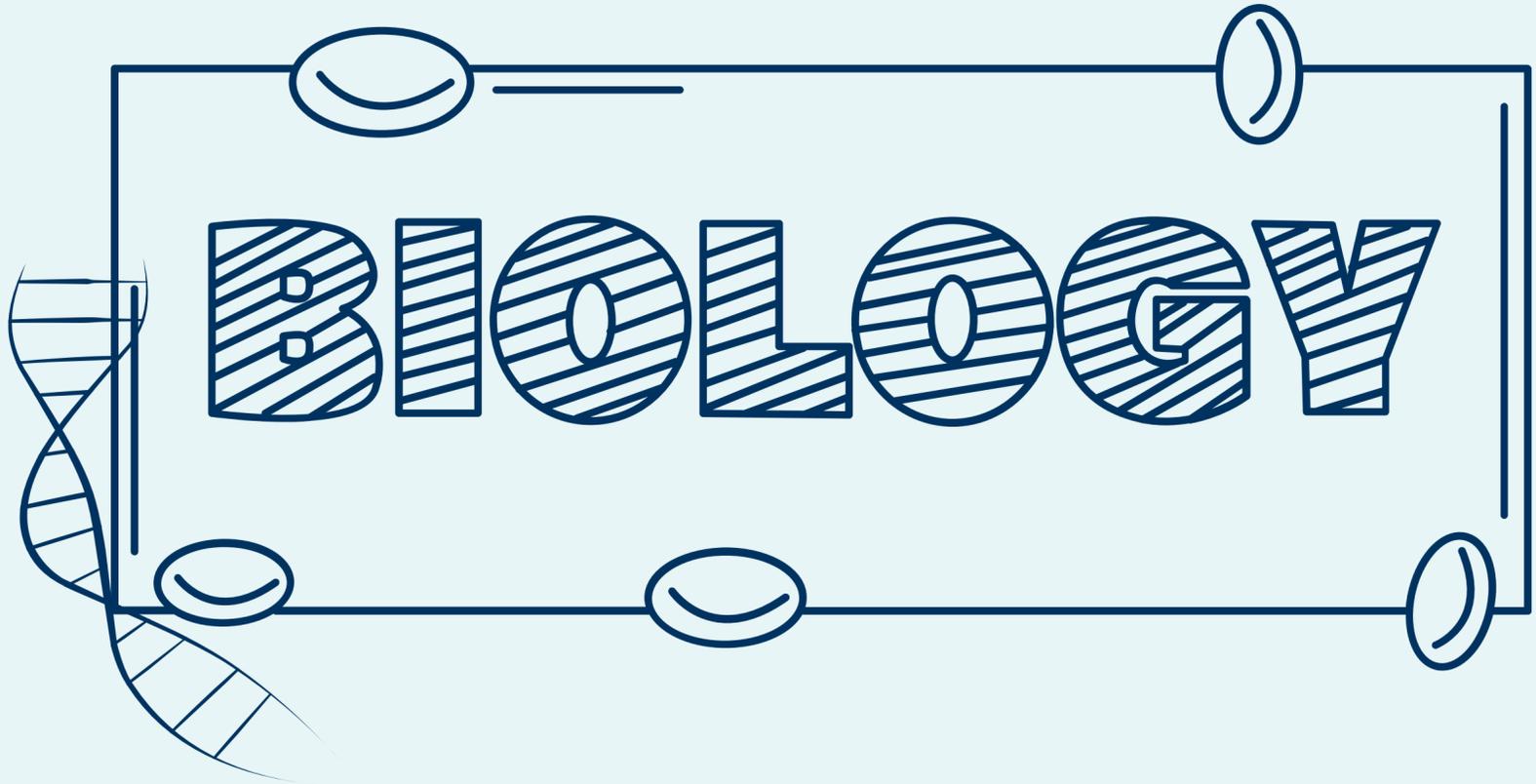


Quiz time

Lec 11



1. Which of the following is a component of a nucleotide?

- A. Amino group, phosphate, sugar
- B. Nitrogenous base, pentose sugar, phosphate group
- C. Nitrogenous base, fatty acid, glycerol
- D. Pentose sugar, lipid, phosphate group

Answer: B.

2. Which of the following are purine bases found in nucleic acids?

- A. Adenine and thymine
- B. Guanine and cytosine
- C. Adenine and guanine
- D. Cytosine and uracil

Answer: C

3. Which sugar is present in DNA? **

- A. Glucose
- B. Ribose
- C. Deoxyribose
- D. Fructose

Answer: C

4. Which bond links nucleotides together in a single strand of DNA? **

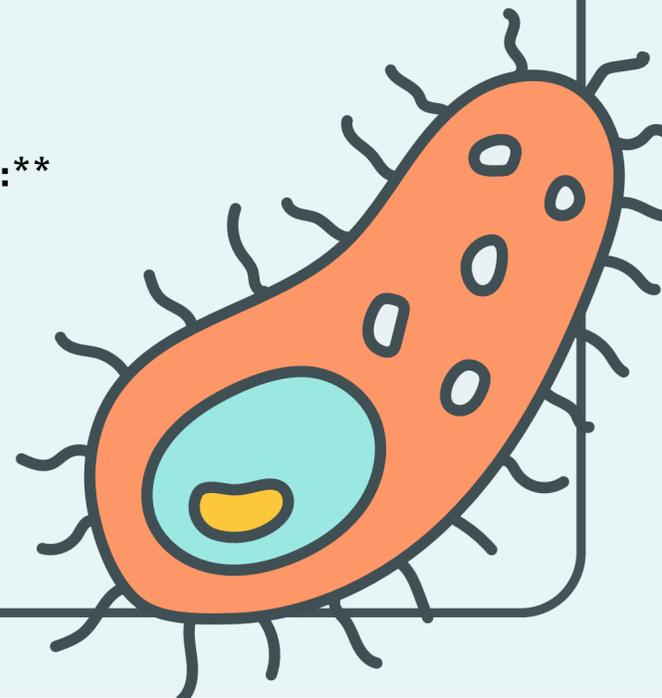
- A. Glycosidic bond
- B. Peptide bond
- C. 3',5' phosphodiester bond
- D. Hydrogen bond

Answer: C.

5. In the double helix of DNA, complementary base pairing occurs between: **

- A. A-G and C-T
- B. A-T and G-C
- C. A-C and G-T
- D. A-U and G-C

Answer: B.



6.What is a nucleosome?

- A. A single strand of RNA
- B. Double-stranded DNA wrapped around a histone octamer
- C. Free DNA without proteins
- D. A single histone protein bound to RNA

Answer: B.

