

1.

### Histones

- A bind to specific DNA sequences
- B are rich in acidic amino acids
- C are synthesised in the nucleus
- D are relatively small proteins

VOTE

2.

Replication in *E. coli* is initiated by binding of

- A DnaA-ATP
- B DnaB-ATP
- C DnaB and DnaC
- D DNA polymerase III

VOTE

3.

### Photolyases

- A repair DNA double strand breaks
- B resolve crosslinks between bases
- C are activated by UV light
- D are active in the dark

VOTE

4.

Which of the following proteins has the same function as RecA?

- A RecB
- B PCNA
- C Rad51
- D Spo11

VOTE

5.

### RNA

- A is more stable than DNA
- B contains thymine
- C is synthesized in 3'→5' direction
- D can have catalytic activity
- E is always single-stranded
- F can have G-U base pairing

VOTE

6.

### Bacteriophage lambda

- A infects only the bacterium *E. coli*
- B is a rod-shaped phage
- C has a genome size of about 10 000
- D has an RNA genome

VOTE