

1. Nucleic acids

- A. are also called nucleotides  
B. do not contain purine  
C. are polymers  
D. do not contain uracil

2. Which of the following will not be found in DNA?

- A. thymine  
B. uracil  
C. adenine  
D. guanine

3. A nucleotide is composed of

- A. an acid, a base, and a sugar  
B. a base, a sugar, and a phosphate  
C. a base, and sugar  
D. an acid, a sugar, and a phosphate

4. Oligonucleotides are formed from 2 to 10 \_\_\_\_\_.

- A. strands  
B. hydrogen bonds  
C. nucleosides  
D. nucleotides

5. The variable portion of DNA is the sequence of \_\_\_\_\_.

- A. phosphoric acids  
B. sugars  
C. bases  
D. phosphates

6. Which pair is a complementary base pair?

- A. C-G  
B. A-G  
C. A-C  
D. G-G

7. Gene expression is activation of a gene to produce a specific \_\_\_\_\_.

- A. protein  
B. tRNA  
C. amino acid  
D. DNA

8. \_\_\_\_\_ is the process of removing the \_\_\_\_\_ from pre-mRNA and joining the remaining \_\_\_\_\_ together to form an mRNA molecule.

- A. splicing, introns, exons  
B. transcription, introns, exons  
C. splicing, exons, introns  
D. transcription, exons, introns

9. Which of the following *can* be a codon for an amino acid?

- A. TTT  
B. GG  
C. AT  
D. UUU

10. The codon is found on \_\_\_\_\_, and the anticodon is found on \_\_\_\_\_.

- A. tRNA, mRNA  
B. rRNA, mRNA  
C. mRNA, tRNA  
D. mRNA, rRNA

**Answers**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>C</b>	<b>B</b>	<b>B</b>	<b>D</b>	<b>C</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>D</b>	<b>C</b>