

## DNA, RNA & Protein Synthesis Web Practice

### Multiple Choice

Identify the choice that best completes the statement or answers the question.

- \_\_\_\_\_ 1. Which of the following would be least likely to happen as a result of a mutation in a person's skin cells?
- skin cancer
  - reduced functioning of the skin cell
  - no change in functioning of the skin cell
  - the person's offspring have mutated skin
- \_\_\_\_\_ 2. Which series is arranged in order from largest to smallest in size?
- chromosome, nucleus, cell, DNA, nucleotide
  - cell, nucleus, chromosome, DNA, nucleotide
  - nucleotide, chromosome, cell, DNA, nucleus
  - cell, nucleotide, nucleus, DNA, chromosome

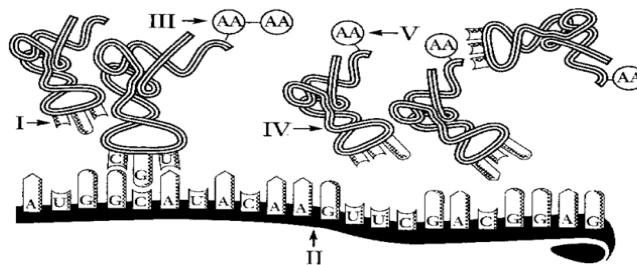


Figure 12-2

- \_\_\_\_\_ 3. In which part of the cell does this process shown in Figure 12-2 take place?
- in the nucleus
  - in food vacuoles
  - at the ribosomes
  - on the chromosome
- \_\_\_\_\_ 4. Structure III in Figure 12-2 represents a(n) \_\_\_\_\_.
- gene
  - amino acid
  - codon
  - DNA molecule
- \_\_\_\_\_ 5. The process illustrated in Figure 12-2 is called \_\_\_\_\_.
- translation
  - replication
  - monoploidy
  - transcription
- \_\_\_\_\_ 6. Which of the structures in Figure 12-2 are composed of RNA?
- II and IV
  - III and IV
  - I and V
  - III and V