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?
a. skin cancer
b. reduced functioning of the skin cell
c. no change in functioning of the skin cell
d. the person's offspring have mutated skin

_____ 2. Which series is arranged in order from largest to smallest in size?
a. chromosome, nucleus, cell, DNA, nucleotide
b. cell, nucleus, chromosome, DNA, nucleotide
c. nucleotide, chromosome, cell, DNA, nucleus
d. cell, nucleotide, nucleus, DNA, chromosome

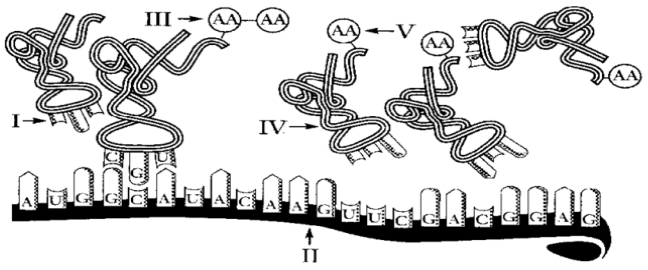

Figure 12-2

_____ 3. In which part of the cell does this process shown in Figure 12-2 take place?
a. in the nucleus
b. in food vacuoles
c. at the ribosomes
d. on the chromosome

_____ 4. Structure III in Figure 12-2 represents a(n) _____.
a. gene
b. amino acid
c. codon
d. DNA molecule

_____ 5. The process illustrated in Figure 12-2 is called _____.
a. translation
b. replication
c. monoploidy
d. transcription

_____ 6. Which of the structures in Figure 12-2 are composed of RNA?
a. II and IV
b. III and IV
c. I and V
d. III and V