Khanoor Girls' School

Biology Test 2

11 Advanced

Name:

Class:

Period:

Instruction: Answer all the questions

1. _____ is the study of an organism's genome
   a. Genomics
   b. Heredity
   c. Biology
2. The human genome project started in the year
   a. 1990
   b. 2003
   c. 1998
3. The main goal of the human genome project was to
   a. Identify the unique part of each person's DNA
   b. determine the entire sequence of the human DNA
   c. identify genes responsible for human disease
4. which best describes the impact that the human genome project has had on society?
   a. It has helped scientists determine that certain genes can cause disease
   b. It has led to the appearance of new diseases

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c. It has caused society billions of dollars without any major benefits

5. The science of managing and analyzing data using advanced computer is called _____
   a. Bioinformatics
   b. Genomics
   c. Forensics
6. How many DNA base pairs make up the human genome
   a. 5 billion
   b. 6 billion
   c. 3 billion
7. How many total chromosomes do humans have?
   a. 2
   b. 46
   c. 23
8. Gene therapy is
   a. A technique aimed at correcting mutated genes
   b. A technique aimed at producing genes
   c. A technique aimed at killing genes
9. SNPs stands for
   a. Single nucleotide polymorphisms
   b. Single nucleotide polymerase
   c. Single nuclease Polymorphism
10. ORFs contains at least ____ codons that begins with a start codon and end with a stop codon
   a. 10
   b. 1000
   c. 100

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