

42) The _____ indicates the gene combination of an individual.

- A) loci
- B) phenotype
- C) genotype
- D) homozygous
- E) dominance

43) Which of the following statements is not true concerning enzymatic activity?

- A) Above a certain temperature, an enzyme will become denatured.
- B) Enzyme activity increases as substrate concentration increases until the maximum rate is achieved.
- C) Each enzyme has a preferred pH at which the enzyme reaction rate is highest.
- D) Enzymatic reactions proceed quite rapidly.
- E) As the temperature increases, most enzymatic reactions will still proceed at the same rate.

44) All of the following are benefits of sequencing the human genome except

- A) the discovery of the chemical makeup of DNA
- B) knowing the exact sequence of DNA in an individual could allow pharmaceutical companies to design drugs for their exact genotype
- C) enabling scientists to sequence the genome of various other organisms.
- D) determining individuals who have a predisposing factor that could lead to future illness could allow for earlier treatment.
- E) the improvement of sequencing technology that will allow the genomes of other species to be more readily sequenced.

30 d

31 b

32 b

33 c

34 c

35 e

36 b

37 d

38 a

39 b

40 d

41 a

42 c

43 e

44 a

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