#### Chapter 13 & 14 Genetic Engineering & the Human Genome Test

#### Multiple Choice

Identify the letter of the choice that best completes the statement or answers the auestion.

- Selective breeding produces
  - a. more offspring.
  - b. fewer offspring.

- desired traits in offspring.
- d. transgenic organisms.
- 2. The crossing of buffalo and cattle to produce beefalo is an example of
  - inbreeding.

c. genetic engineering.

b. hybridization.

- d. transformation.
- 3. Breeders maintain the desired traits of an organism by
  - a. inbreeding.

c. hybridization.

b. using restriction enzymes.

- d. inducing mutations.
- 4. Analyzing DNA by gel electrophoresis allows researchers to
  - identify similarities and differences in the genomes of different kinds of organisms.
  - determine whether a particular allele of a gene is dominant or recessive.
  - c. compare the phenotypes of different organisms.
  - d. cut DNA with restriction enzymes.
- 5. Genetic engineering involves
  - a. reading a DNA sequence.
  - b. editing a DNA sequence.
  - c. reinserting DNA into living organisms.
  - d. all of the above
- 6. What has been an advantage of producing transgenic plants?
  - a. improving many people's diets
  - b. using more pesticides
  - e. producing clones
  - d. studying human genes
- 7. Which of the following is a clone?
  - a. the adult female sheep whose DNA was used to produce Dolly
  - b. a transgenic mouse
  - genetically identical bacteria produced from a single cell
  - d. the tobacco plant with the luciferase gene
- What kind of cell or cells were used to make Dolly?
  - a. body cell only

c. egg cell and sperm cell

b. egg cell only

- d. body cell and egg cell
- Which of the following have been produced by selective breeding?
  - a. horse breeds
  - b. cut breeds.

- c. dog breeds d. all of the above
- 10. Which of the following is most likely to bring together two recessive alleles for a genetic defect?
  - a. inbreeding.

c. genetic engineering

b. hybridization

- d. transformation
- 11. Two dissimilar individuals are crossed in the process of
  - a. inbreeding.

c. transformation.

b. hybridization.

- d. genetic engineering.
- 12. The process of making changes in the DNA code of living organisms is called a. selective breeding.
  - e. inbreeding.

# **Genetic Engineering Test And Answers**

**The Princeton Review** 

**Genetic Engineering Test And Answers:** 

The Top Books of the Year Genetic Engineering Test And Answers The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the captivating narratives that have enthralled audiences this year. The Must-Read: Colleen Hoovers "It Ends with Us" This touching tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover skillfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Uncover the Best: Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Genetic Engineering Test And Answers: Delia Owens "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a guiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and thrilling novel that will keep you wondering until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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