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1. Some types of variation are due to changes in the genetic material. What is this type of change called?

- A. Fertilisation
- B. Mutation
- C. Radiation
- D. Sterilisation

Answer: Option B

Explanation:

No answer description available for this question. Let us discuss.

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2. Which of the following is the process of choosing parent organisms for the characteristics that is wanted in their offspring?

- A. Active selection
- B. Reproductive selection
- C. Selective breeding
- D. Breeding selection

Answer: Option C

Explanation:

No answer description available for this question. Let us discuss.

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3. Which protein has been produced generating a transgenic sheep that is used for replacement therapy for individuals at risk from emphysema?

- A. Plasminogen activator (tPA)
- B. α -anti trypsin (AAT)
- C. Casein

D. Amyloid precursor proteins

Answer: Option B

Explanation:

No answer description available for this question. Let us discuss.

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4. Which of the following is the word used to describe what happens when the nucleus of a sperm joins with the nucleus of an egg cell?

- A. Sex
- B. Fertilisation
- C. Intercourse
- D. Reproduction

Answer: Option B

Explanation:

No answer description available for this question. Let us discuss.

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5. DNA into fish is injected into

- A. pronuclei
- B. cytoplasm
- C. both (a) and (b)
- D. none of these

Answer: Option B

Explanation:

No answer description available for this question. Let us discuss.

6. Transgenic goats have been used to produce which of the following protein that is used for dissolving blood clots?
- A. Amyloid precursor protein
 - B. α 1-anti trypsin (AAT)
 - C. Casein
 - D. A variant of human tissue-type plasminogen activator

Answer: Option D

Explanation:

No answer description available for this question. Let us discuss.

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7. Transfection refers to which of the following?
- A. Synthesis of mRNA from DNA template
 - B. Synthesis of protein based on mRNA sequence
 - C. Introduction of foreign gene in to a cell
 - D. The process by which a cell become malignant

Answer: Option C

Explanation:

No answer description available for this question. Let us discuss.

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8. Chromosomes may be isolated from metaphase cells by
- A. hypertonic lysis
 - B. hypotonic lysis
 - C. either (a) or (b)
 - D. isotonic lysis

Answer: Option B

Explanation:

No answer description available for this question. Let us discuss.

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9. Superovulation is primarily the result of
- A. decreased atresia in medium and large follicles (>1.7 mm)
 - B. increased atresia in medium and large follicles (>1.7 mm)
 - C. increased atresia in the large follicles (<1.7 mm)
 - D. decreased atresia in small follicles (<1.7 mm)

Answer: Option A

Explanation:

No answer description available for this question. Let us discuss.

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10. Genetic change can occur only in
- A. one way
 - B. two ways
 - C. three ways
 - D. four ways

Answer: Option D