

1. Which of the following have you inherited completely from your parents? Choose the best answer.

- a. The shape of your blood cells
- b. Your intelligence
- c. Your personality
- d. Your weight

2. What is heredity?

- a. The passing of traditions from parents to their children.
- b. A type of asexual reproduction.
- c. The passing of traits from parents to offspring.
- d. Another term for sexual reproduction.



What can you conclude about Gregor Mendel from the information presented in the movie?

a. Religious authorities forced him to stop his experiments

b. He was one of the first researchers to establish how heredity worked

c. He concluded that heredity worked for people as well as plants

d. He established all the principles of modern genetics

4. Which term best describes how Mendel conducted his experiments?

- a. Occasionally
- b. Carelessly
- c. Diligently
- d. Quickly

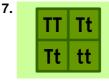
5. What did Mendel learn about his pea plants?

- a. The tall plant trait dominates the short plant trait
- b. The short plant trait dominates the tall plant trait
- c. Neither the short nor tall trait is dominant
- d. Both the short and tall traits are dominant

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6. When two pea plants with Tt alleles are cross-bred, how many short (tt) plants will there most likely be in the new generation?

- a. 1 out of 2
- b. 1 out of 4
- c. 1 out of 6
- d. 1 out of 8



The "Tt"s in this Punnett square represent:

- a. Tall pea plants
- b. Female pea plants
- c. Medium-sized pea plants
- d. Short pea plants

8. If a brown-eyed mother and a blue-eyed father have four children, three will probably have brown eyes. What can you conclude from this?

- a. Brown eyes are a successful trait
- b. Brown eyes are a submissive trait
- c. Brown eyes are a recessive trait
- d. Brown eyes are a dominant trait



What can you conclude about one of Mendel's short pea plants?

- a. It had one dominant and one recessive gene
- b. It had a pair of recessive genes
- c. It had a pair of dominant genes
- d. It had no recessive genes

10. What did Gregor Mendel and Reginald Punnett have in common?

- a. They were both monks
- b. They both lived during the 20th century
- c. They both experimented with pea plants
- d. They both lived in Germany