


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

3.  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?

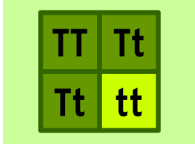
- A. Occasionally
- B. Carelessly
- C. Diligently
- D. Quickly

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

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


- A. 1 out of 4
- B. 1 out of 2
- C. 1 out of 6
- D. 1 out of 8

7.  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

9.  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