

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

- The shape of your blood cells
- Your intelligence
- Your personality
- Your weight

2. What is heredity?

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

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

- Religious authorities forced him to stop his experiments
- He was one of the first researchers to establish how heredity worked
- He concluded that heredity worked for people as well as plants
- He established all the principles of modern genetics

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

- Occasionally
- Carelessly
- Diligently
- Quickly

5. What did Mendel learn about his pea plants?

- The tall plant trait dominates the short plant trait
- The short plant trait dominates the tall plant trait
- Neither the short nor tall trait is dominant
- 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?

- 1 out of 4
- 1 out of 2
- 1 out of 6
- 1 out of 8

7.  The "Tt"s in this Punnett square represent:

- Tall pea plants
- Female pea plants
- Medium-sized pea plants
- 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?

- Brown eyes are a successful trait
- Brown eyes are a submissive trait
- Brown eyes are a recessive trait
- Brown eyes are a dominant trait

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

- It had one dominant and one recessive gene
- It had a pair of recessive genes
- It had a pair of dominant genes
- It had no recessive genes

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

- They were both monks
- They both lived during the 20th century
- They both experimented with pea plants
- They both lived in Germany