

Genetics

Name:

Mendel's First Experiments

Period:

Use Chapter 6, Section 1 of your textbook to answer the questions below.

Mendel's First Experiments (p.177)

1. For his experiments, Mendel studied different _____ in pea plants.
2. The plants Mendel used were _____ plants, which meant that their offspring would have the same trait as the parent plant.
3. The offspring of a cross that is tried for the first time are called _____ offspring.
4. The results of Mendel's first cross of plants with white flowers and plants with purple flowers were that all of the first-generation plants had _____ flowers.
5. A trait seen in the first generation, when parents with different traits are bred, is a _____ trait.
6. A trait that fades away in the first generation is a _____ trait.



Imagine that a couple gets married and has children. One of the parents has a round head, and the other one has a pointy head. If all of their children have pointy heads, does this mean that a pointy head is a dominant or a recessive trait?

Having a pointy head must be a

_____ trait,

because...