Genetics

Mendel's First Experiments

Name: 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 plant	2
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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...