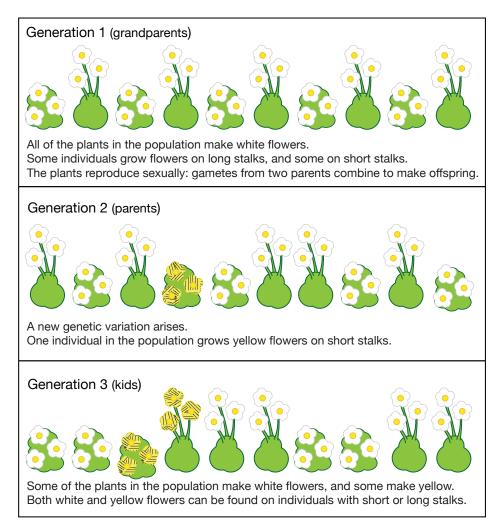


## Heredity Assessment



**1.** What happened between generations 1 and 2? Choose the most likely explanation.

A mutation in an existing gene gave rise to a new allele.

A mutation gave rise to a new gene.

**2.** How is it that, in Generation 3, yellow flowers can be found on individuals with both short and long stalks? Choose the most likely explanation.

A mutation happened in a long-stalked plant that made it grow yellow flowers.

Shuffling of existing alleles during sexual reproduction made new allele combinations.

A mutation happened in a yellow-flowered plant that made it grow long stalks.