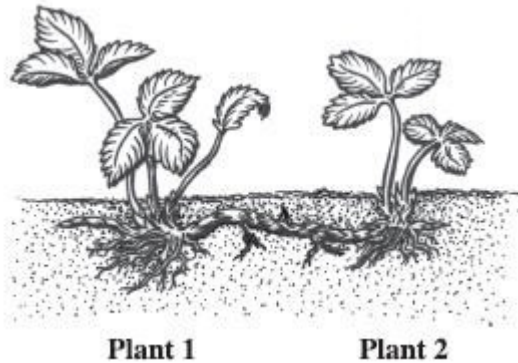


SC.912.L.16.17 – Mitosis and Meiosis – Example 11 Answer

The diagram below shows two strawberry plants.



Plant 2 is produced asexually from Plant 1. If the leaf cells of Plant 1 have 56 chromosomes, how many chromosomes will be found in the leaf cells of Plant 2?

- A. 14
- B. 28
- C. 56
- D. 112

Answer

C. 56

Asexual reproduction results in an identical organism to the parent. All of the cells of the daughter organism will be the same as the cells of the parent organism. Asexual reproduction DOES NOT increase the variation in a population since all of the organisms are genetically identical.