

Session 1 Homework

Use the passages in your workbook to answer the following constructed response questions.

Passage 1

Based on the information in the passage, how many chromosomes carry the genes for aleurone color in corn?

Passage 2

Design an additional experiment testing a new variable to go along with the experiments described in this passage.

Be sure to include an appropriate hypothesis, independent variable (including several levels), dependent variable, constants, and control.

Passage 3

Compare and contrast *Pseudomonas spp.* and *Enterobacter spp.*

Passage 4

Somatic cells are used in the process of cloning; why isn't DNA from gametes used during this process?

Passage 5

According to each scientist, how will the increase in CO₂ concentration affect US agriculture?

