

Life Science 7

(Copy the following lab activity set up in your science notebook.)

Title: Activity 15 Meiosis

Challenge Question: How do cells divide for sexual reproduction?

Background:

How is genetic material organized in a cell?

What happens to the genetic material before a cell divides by mitosis?

Vocabulary:

Term	Definition	Picture or Example
homologous		
chromosomes		
meiosis		
mitosis		

Materials:

Cells and Heredity book

Procedures:

1. Read pages 100 - 107 in *Cells and Heredity* book. Create notes from reading using Cornell note-taking format.
2. Answer questions 6, 7, 9, and 12. Write answers in Data/Results section in science notebook activity set up.
3. Do Lesson Review on page 109 questions 1 - 10. Write answers in science notebook set up in Data/Results section.

Data/Results:

(Write answers to book questions here.)

Analysis Questions:

1. Why do you think sexual reproduction requires meiosis? Why might getting genetic information from each parent benefit the offspring?

