

Life Science 7

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

Title: Activity 14 Mitosis

Challenge Question: How do cells divide?

Background:

- Reproduction is a characteristic of living things whereby they produce new organisms similar to themselves.
- In a eukaryotic cell, the nucleus is the organelle that contains the genetic information of the cell.

What is the difference in the function of cell division (mitosis) in unicellular and multicellular organisms?

Vocabulary:

Term	Definition	Picture or Example
DNA		
chromosomes		
cell cycle		
interphase		
mitosis		
cytokinesis		

Materials:

Cells and Heredity book

Procedures:

1. Read pages 90 - 97 in *Cells and Heredity* book.
2. Answer questions 1 - 3 and 5 - 13. Write answers in Data/Results section in science notebook activity

