Topic 06

**Cell Division** 

## Learning Objectives

#### At the end of this module, students will be able to:

- Recall differences of prokaryotic & eukaryotic cells
- Recognize difference of fission and mitosis
- Recognize difference of meiosis and mitosis
- Recognize key words and abbreviations in mitosis
- Describe steps of mitosis using a diagram

### Outline

- a. Prior concepts
- b. Fission, meiosis & mitosis
- c. Mitosis cycle
- d. Cellular differentiation







# 06.a Prior concepts Multicellular organisms carry out their life processes through division of labor. They

- have specialized cells that do specific jobs.
- All eukaryotes are multi-cell organisms.
- Plants & animals have a variety of cell types.
  - $\sim$  obvious examples  $\sim$
- Tree bark and leaves have different cells.
- Human skin and bones have different cells.

















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## Check

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