

Unit 2 Exam – The Cell

Review the following objectives as you prepare for the unit 2 exam.

Main Objectives

1. Identify the three components of the cell theory.
2. Compare and contrast prokaryotes and eukaryotes. Give examples of each.
3. Identify the five scientists AND their conclusions that contributed to the cell theory.
4. State the three main differences between plant and animal cells.
5. Explain how active transport and passive transport are different.
6. Name and describe the three types of passive transport.
7. Name and describe the four types of active transport.
8. Describe the function of the carbohydrate and protein molecules in the cell membrane.
9. Describe the structure of the cell membrane.
10. Identify the organelles on a cell diagram.
11. Describe the functions of each of the cell organelles.
12. Predict which way particles or water will move when given information regarding concentration differences.