

## Lesson 8.1 **TEKS 8.13A** Cell Structure and Function

### Lesson Overview

#### Essential Question

What are the functions of the different parts of plant and animal cells?

#### Lesson Objective

Students identify the function of the cell membrane, cell wall, nucleus, ribosomes, cytoplasm, mitochondria, chloroplasts, and vacuoles in plant or animal cells.



#### TEKS Progression

**TEKS Refresh** Use this chart to review what your students have already learned and to help guide their learning as they progress in their development of their scientific knowledge. If students need support on the prior TEKS or background knowledge, refer to your TEKS refresh for resources or assign LearnQuest review assignments.

**G6**

**8.12B** identify and compare the basic characteristics of organisms, including prokaryotic and eukaryotic, unicellular and multicellular, and autotrophic and heterotrophic.

**G7**

**8.12B** describe the hierarchical organization of cells, tissues, organs, and organ systems within plants and animals.

**G8**

**8.13A** identify the function of the cell membrane, cell wall, nucleus, ribosomes, cytoplasm, mitochondria, chloroplasts, and vacuoles in plant or animal cells.

**HS**

**8.13A**

Identify the function of the cell membrane, cell wall, nucleus, ribosomes, cytoplasm, mitochondria, chloroplasts, and vacuoles in plant or animal cells.

#### Unpack the TEKS

**TEKS** 8.13A. identify the function of the cell membrane, cell wall, nucleus, ribosomes, cytoplasm, mitochondria, chloroplasts, and vacuoles in plant or animal cells.

**Understand the Cognitive Verb** To identify is to establish distinguishing characteristics.

In this lesson, students are expected to identify the functions of the parts of plant and animal cells. It is important to cover all parts of the TEKS during instruction. This lesson is designed to teach and assess aspects of **TEKS** 8.13A.



## TEXAS SCIENCE

# TEKS Assessment Guide

Grade 8

#### Coaching for TEKS Success

- Teacher Support with Scoring Rubrics
- Student Support with Guided and Independent Practice
- Performance Task Practice
- Included with purchase online and available for print

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