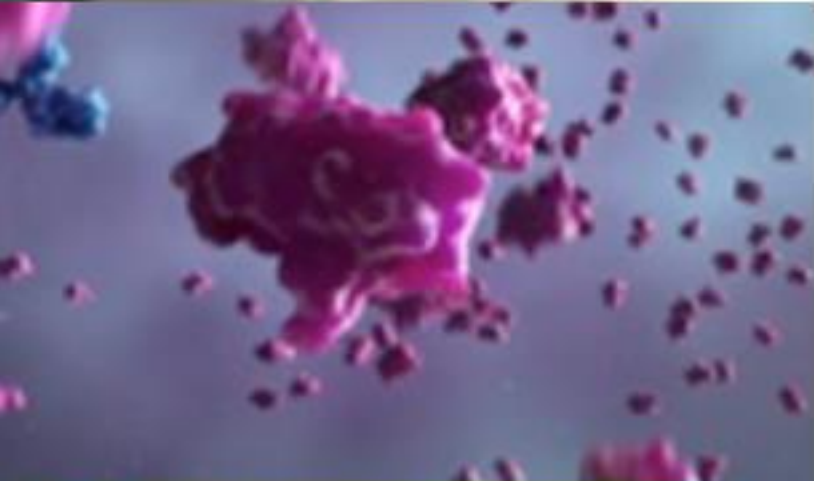
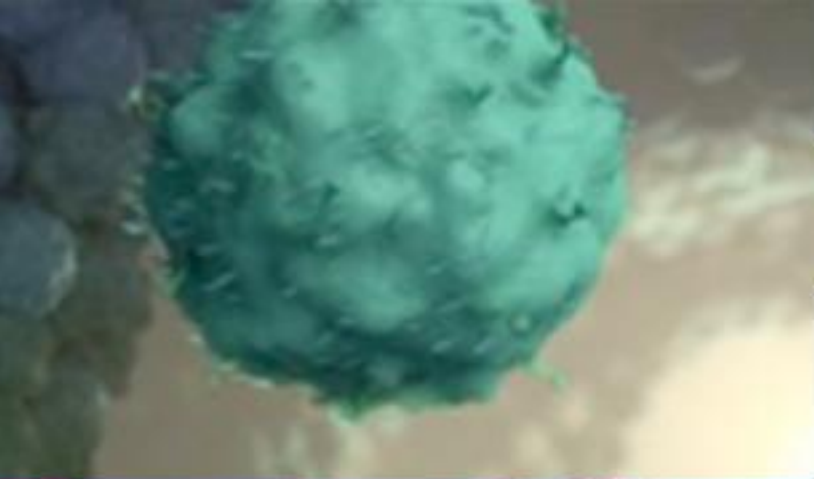


# Prep Steps

## Unit 1: Lesson 3

# The Adaptive Immune System



# Lesson Questions

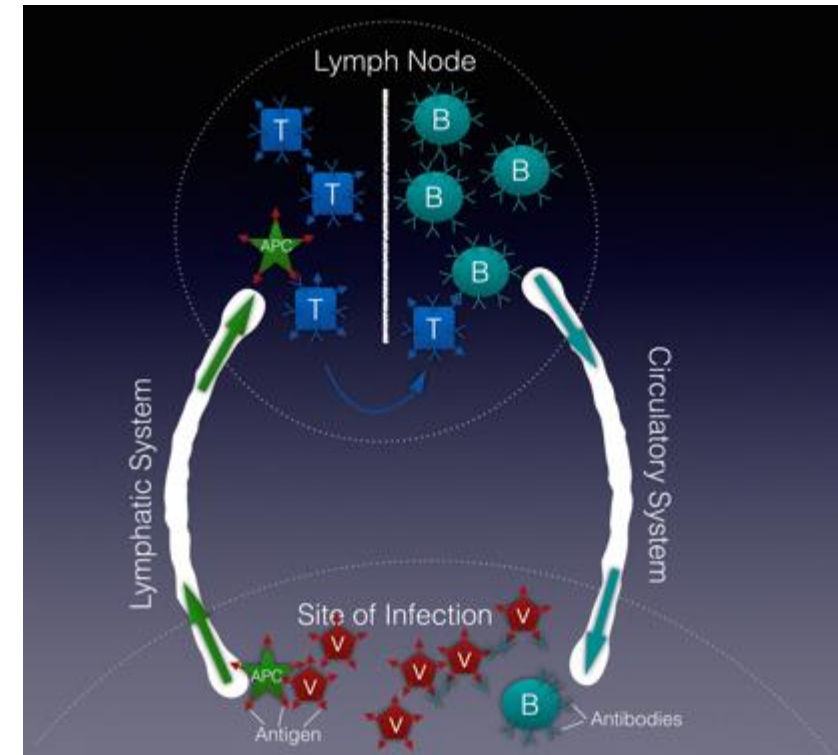
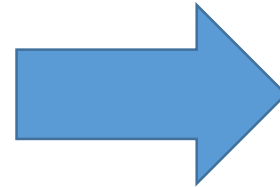
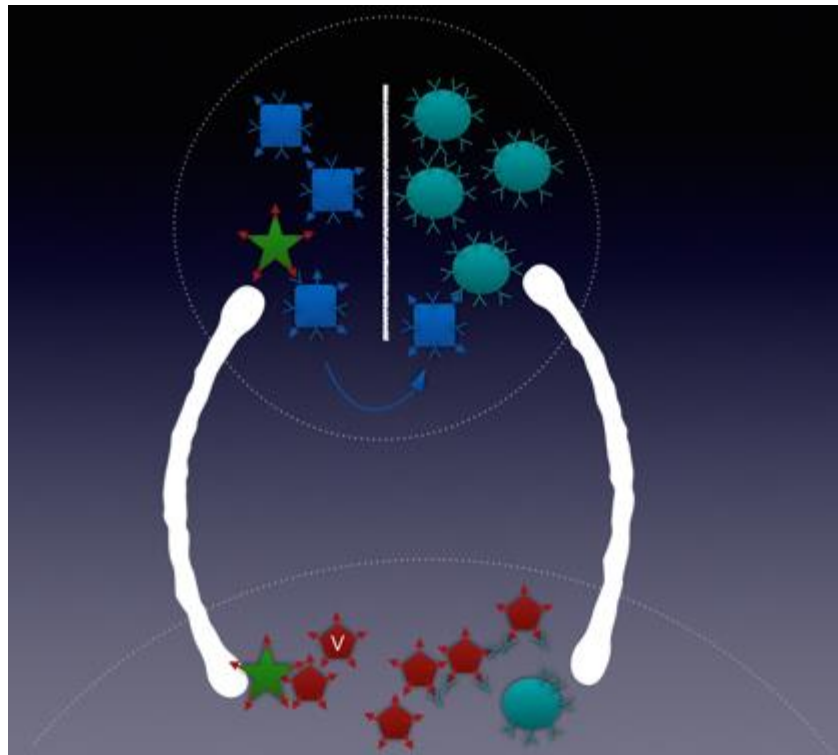
- What are the features and processes of the adaptive immune system?
- How does the adaptive immune system differ from the innate immune system?

# Lesson Objectives

- Define glossary terms related to the adaptive immune system.
- Create a concept map of the adaptive immune system.
- Create analogies to illustrate features and processes of the adaptive immune system.

# Unique Lesson Feature

- Drag and drop to complete a diagram of the adaptive immune system



# Lesson FAQs

- What's in the lesson?
  - Students focus on structure and function of the adaptive immune system.
  - Students create a concept map of the adaptive immune system.
  - Students explore glossary terms associated with the adaptive immune system.
- What interactives are there?
  - Students watch animations: *The Adaptive Immune System* and *How do Antibodies Work?*
  - Students drag and drop terms into fields in an interactive diagram of the adaptive immune system.

# Lesson FAQs (cont.)

- What other activities are there?
  - Students read a passage: *Killer Cells, Memory Cells: A Brief Introduction to the Adaptive Immune System*.
  - Students create a graphic organizer to model the adaptive immune system.
  - Students complete information tables that summarize the components of the adaptive immune system and their function.
  - Students create a multimedia resource that demonstrates understanding of the innate immune system.
- How long is the lesson?
  - Three 45-minute sessions

# Lesson FAQs (cont.)

- What are the lesson pre-requisites?
  - Students should have:
    - Passed high school biology and chemistry
    - Taken Lesson 1: Organs and Tissues of the Immune System
- Who is the lesson designed for?
  - College prep students
  - Honors students
  - Advanced placement students
  - GED students (lesson may need adapting)

# Lesson Content and Timing

- Create list of diseases
- Write about preventing disease

- Explore interactive glossary
- Watch animations
- Read passages

- Create graphic organizer
- Discuss models
- Complete tables
- Complete diagram

- Explore adaptive immune system components
- Write short passage

- Create multimedia resource
- Complete evaluation questions

**Engage**

(10 mins)

**Explore**

(35 mins)

**Explain**

(45 mins)

**Elaborate**

(25 mins)

**Evaluate**

(20 mins)