

Parts of Speech and the Immune System

Learning Objectives

- I can identify the major structures and functions of the immune system.(VAH4.1a)
- I can describe how the immune system defends the body against pathogens.(VA H4.2a)
- I can describe the effects of sleep on the immune system (VAH4.3a)
- I can identify adverbs, adjective, nouns and verbs within sentence structure. (VA 4 - Writing 4.8e)

Teacher Notes

- The immune system is a biological system that helps protect the human body from infections and disease. The immune system can defend against viruses, bacteria and fungus. The two main parts of the system are the innate immune system and the adaptive immune system. The innate immune system provides specific responses to a pathogen, where the adaptive immune system creates immunological memory where it can respond to repeat pathogen and deploy the same defense mechanism. As the immune system reacts, a fever is often a response of the immune system. This creates an environment that is harder for a virus or bacteria to survive. There are vaccines that have been developed to fight certain pathogens, however, getting proper sleep, having healthy eating habits and washing your hands will help create a stronger immune system.
- Materials – copy of attached worksheet for each student.

Lesson Steps

- Ask students to raise their hands if they've ever been sick.
- Explain to them that the immune system is a part of responsible for helping to make us better when we get sick.
- Hand out worksheets
- Tell students that today they will be working on identifying parts of speech in 10 sentences. Each sentence is about the immune system.
- Explain that there are underlined words in each sentence. They are to identify the underlined word as a verb, noun, adverb or adjective.
- After they write the part of speech in the available space, have student look at the bottom of the page and participate in the exercise associated with their choice.
- Tell students to continue until they complete the worksheet.

Step 3 (Application – how student will apply/practice new learning)

- Students can be paired up and work together if necessary.



Sample Lesson Plan
Virginia 2020 SOL Edition
GR4-BOD-6
Body Systems
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Assessments

- Review answer as a class and expand on topics as necessary.

Extensions/Connections

- <https://www.youtube.com/watch?v=azE3rv5l28Y> – How Does Your Immune System work? What is the immune System? The Dr. Binocs show – Peekaboo Kidz

Resources/References

- <https://www.factsjustforkids.com/human-body-facts/immune-system-facts-for-kids.html>



Parts of Speech and the Immune System

Name _____

DIRECTIONS: Read each sentence below. Identify the underlined word in the sentence. Write the part of speech of the underlined word in the space provided. Participate in the exercise associated with that part of speech listed at the bottom of the page. Continue until you have completed all 10 sentences.

#	IMMUNE SYSTEM SENTENCES	PART OF SPEECH
1	Viruses, bacteria and fungus, are pathogens that the immune system can <u>fight</u> .	
2	The immune system <u>protects</u> the human body from pathogens.	
3	There are two parts to the immune <u>system</u> , the innate immune system and the adaptive immune system.	
4	The innate immune system <u>responds</u> immediately to a pathogen.	
5	The adaptive immune system remembers how to respond <u>repeatedly</u> to pathogens that enter the body, and helps create immunity to the pathogen.	
6	Lymphocytes are one of the five type of <u>white</u> blood cell found in the body.	
7	A <u>fever</u> is not caused by an infection, but instead by the immune system, making it harder for a pathogen to survive.	
8	<u>Vaccines</u> have been created to teach the body how to fight off select pathogens.	
9	Sleep is important to maintain a <u>strong</u> immune system and with poor sleeping habits, the immune system is weakened.	
10	Washing your hands frequently can help you to avoid pathogens being able to enter the body <u>easily</u> .	

PART OF SPEECH	EXERCISE
NOUN	10 JUMPING JACKS
VERB	10 CROSS CRAWLS
ADJECTIVE	10 ARM CIRCLES



ADVERB

10 SQUATS

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ANSWER KEY

#	IMMUNE SYSTEM SENTENCES	PART OF SPEECH
1	Viruses, bacteria and fungus, are pathogens that the immune system can <u>fight</u> .	VERB
2	The immune system <u>protects</u> the human body from pathogens.	VERB
3	There are two parts to the immune <u>system</u> , the innate immune system and the adaptive immune system.	NOUN
4	The innate immune system <u>responds</u> immediately to a pathogen.	VERB
5	The adaptive immune system remembers how to respond <u>repeatedly</u> to pathogens that enter the body, and helps create immunity to the pathogen.	ADVERB
6	Lymphocytes are one of the five type of <u>white</u> blood cell found in the body.	ADJECTIVE
7	A <u>fever</u> is not caused by an infection, but instead by the immune system, making it harder for a pathogen to survive.	NOUN
8	<u>Vaccines</u> have been created to teach the body how to fight off select pathogens.	NOUN
9	Sleep is important to maintain a <u>strong</u> immune system and with poor sleeping habits, the immune system is weakened.	ADJECTIVE
10	Washing your hands frequently can help you to avoid pathogens being able to enter the body <u>easily</u> .	ADVERB



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