

ABOUT THIS PACKET

The reading passage in this packet allows students to work on comprehension skills after reading the passage several times searching for evidence.

OVERVIEW

THE CASE	Read the case aloud to your students so they understand the mission.
QUESTIONS	There are 18 questions to be answered by reading the passage and marking the text evidence.
CLUES	After answering each question, the students will MARK OFF their answer choice on their answer sheet. After all questions have been answered, the suspect, evidence, and location will be revealed.

GRADE LEVEL

4

4

5

5

5

6

6

6

7

RANGE

BEGINNING

MIDDLE

END

BEGINNING

MIDDLE

END

BEGINNING

THE IMMUNE SYSTEM

The immune system (from the Latin word "immunis" meaning "free" or "safe from touch") is the body's defense system, responsible for keeping the body healthy and strong. The immune system protects the body from anything harmful such as viruses, bacteria, and invading germs that can make a person sick. These harmful invaders are called pathogens or antigens. The immune system includes the skin, white blood cells, and the lymph system.

The immune system, just like every other system in the human body, works with organs to complete its function, or job. This system works mainly with the spleen, lymph nodes, thymus, and bone marrow. It also works with organs and tissues to fight off the pathogens. These organs and cells work alongside the immune system to fight off tiny invaders that are attacking the body and causing harm. Lymph nodes are glands that collect and destroy bacteria and viruses before they spread to the rest of the body.

The immune system sends cells that are ready to fight pathogens that enter the body. There are cells that are made for specific diseases and other cells that are for anything harmful. When the body is invaded by pathogens, signals are sent to the immune system to take action. The immune system sends the cells to do their job and get them off.

White blood cells, also called leukocytes, are made in the bone marrow and stored in several locations throughout the body. There are two types of these cells: T cells and B cells. B cells release antibodies which attack antigens. Antigens are the tiny invaders that can cause disease. Antibodies, also called immunoglobulins, are a Y-shaped protein the body creates to fight the pathogens. The antibodies attach to the pathogen and destroy it. There are two specific T cells: helper T cells and killer T cells. The helper cells tell the B cells to start making antibodies if needed or tell the killer T cells to begin attacking. The killer T cells destroy

3 The immune system includes the _____, white blood cells, and the lymph system.



Trachea



Stomach



Skin



Bronchi

4 Which of the following is not a main part of the immune system?



Pharynx



Spleen



Thymus



Bone marrow

5 What type of immunity is everyone born with?



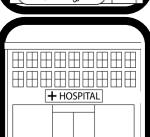
Adaptive



Active



Passive



Innate

6 "Innatus" means "_____" or "untouched."



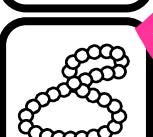
Attached



Free



String



Cell

7 _____ can fight and destroy bacteria and viruses before they spread.



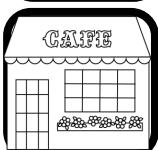
Fire cells



Pathogens



Bacteria



Lymph nodes

8 What can you do to boost your immune system?



Exercise



Eat healthy



Wash your hands

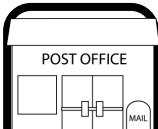


All of the above

9 What is active immunity also known as?



Innate



Adaptive



Subjective



Passive

10 _____ is immunity the body gets from other places.



Innate



Passive



Adaptive



Active

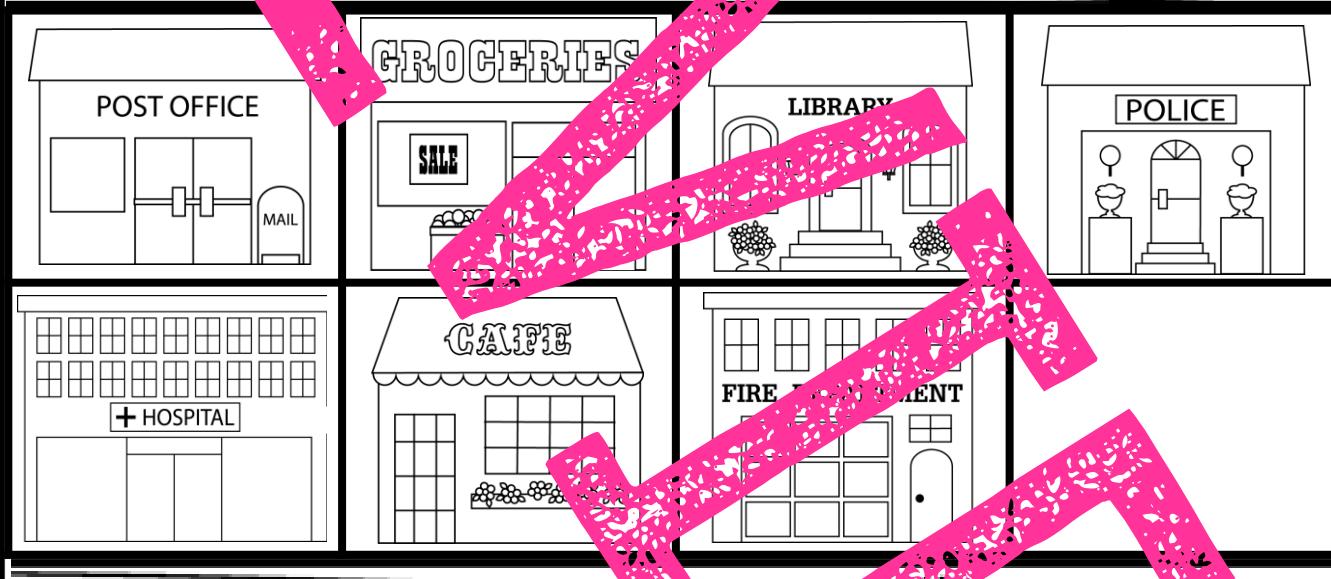
CASE FILE

Cross out the images you use as an answer. What remains will solve the case!

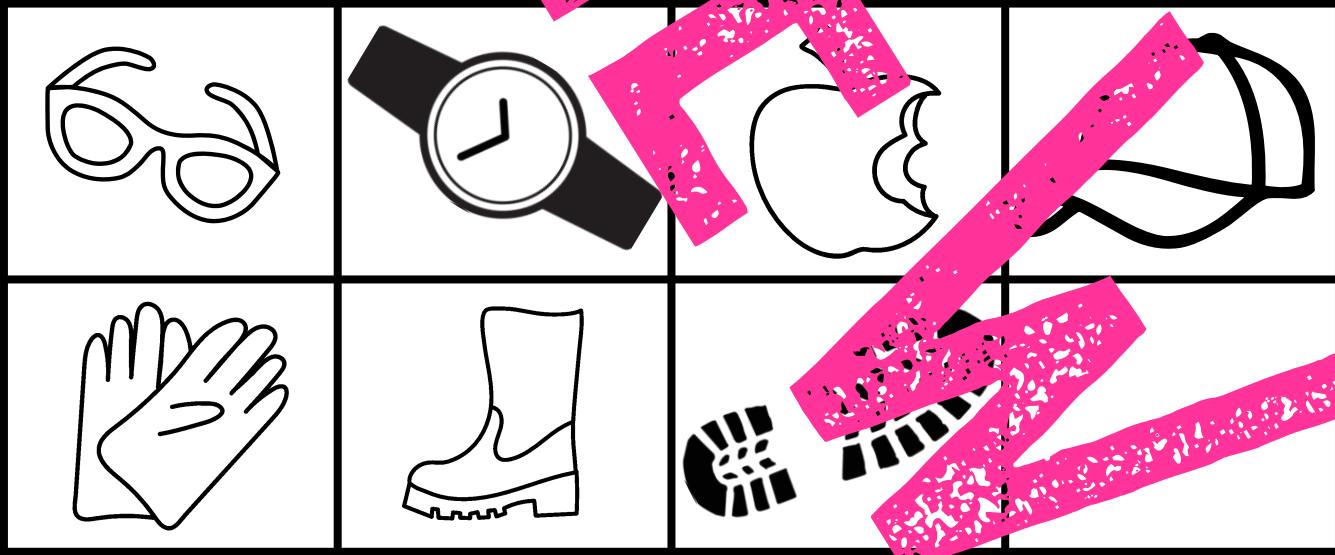
SUSPECTS



LOCATION



EVIDENCE



CONGRATULATIONS
YOU SOLVED
THE CASE!

LEAD DETECTIVE NAME:



CONGRATULATIONS

YOU SOLVED
THE CASE!

LEAD DETECTIVE NAME:





SPARK SOME

creativity

ESCAPE
ROOMS

SCAVENGER
HUNTS

SPY
MYSTERY

TEXT
DETECTIVE

SECRET
MESSAGES

THINKTIVITY

BREAKOUTS

READING
CHALLENGE

INTERACTIVE
NOTEBOOK

DIGITAL
ESCAPES

DIGITAL
BOARD
GAME

COLOR BY
NUMBER

TASK
CARDS
GAME

GOOGLE
SLIDES

GOOGLE
FORMS

PUZZLE
STATIONS

BOOM
CARDS

BLOG