

# ABOUT THIS PACKET

Each 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 **erase** their answer choice on their answer sheet. After all questions have been answered, the suspect, evidence, and location will be revealed.

### GRADE LEVEL

### RANGE

4

BEGINNING

4

END

5

BEGINNING

5

MIDDLE

5

END

6

BEGINNING

6

MIDDLE

6

END

7

BEGINNING

# THE DIGESTIVE SYSTEM

The human body has many systems that work together to keep it healthy. Each system works with different organs such as the heart or liver to complete a certain function. The digestive system is responsible for taking the food a person eats and breaking it down. Once broken down, the food transforms into energy, vitamins, and minerals for the body's organs and cells.

The process of digestion has two types: mechanical digestion and chemical digestion. Mechanical digestion is when a person chews the food and physically breaks it down into smaller pieces. With chemical digestion, enzymes break down food into molecules for the body to use as nutrients.

There are five stages in the digestive system. Placing food in your mouth is called ingestion. First, a person chews the food to break it down. The tongue begins to break down certain foods that are starchy (potatoes or bread), using enzymes. Enzymes are a protein molecule that have specific jobs such as breaking down starches or speeding up chemical reactions in the body. Your mouth creates saliva, also called spit. Saliva has enzymes that break down food to make it soft and easy to swallow.

The second phase of digestion is swallowing. In this phase, the food goes to the pharynx, which is at the back of the throat. The tongue pushes the food to the back of the throat. A tiny flap of cartilage called the epiglottis automatically closes the windpipe and then travels to the esophagus, which is about 10 inches long. Muscles contract along the esophagus, pushing the food toward the stomach. This action is called peristalsis. The esophagus is a tube that carries food from the pharynx to the stomach.

The next stop is the stomach, an organ that acts as a sack and holds food. The stomach has three layers of muscles and millions of cells. Although the stomach is small when it is empty, it can expand and become large enough to hold 1.5 liters of food. When food reaches the stomach, enzymes are

3 The \_\_\_\_\_  
\_\_\_\_\_ages in the  
\_\_\_\_\_ digestive system.



4 Once food becomes  
\_\_\_\_\_, a soup-like  
substance, it travels  
to the small intestine.



Chyme

Epiglottis

Hemoglobin

Bile

5 The \_\_\_\_\_ is a long tube  
attached to the large  
intestine that stores  
good bacteria.



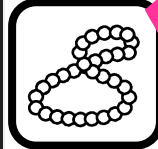
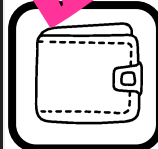
Gall bladder

Pharynx

Larynx

Appendix

6 What is the upper  
part of the small  
intestine called?



Epiglottis

Duodenum

Appendix

Trachea

7

The stomach has \_\_\_\_\_ layers of muscles around its walls.



5

3

8

Placing food in your mouth is called \_\_\_\_\_.



Exhaustion

Exhalation

Inhalation

Ingestion

9

A tiny flap of cartilage called the \_\_\_\_\_ automatically closes the windpipe.



Enzyme

Epiglottis

Liver

Duodenum

10

What color is the gall bladder?



Blue

Green

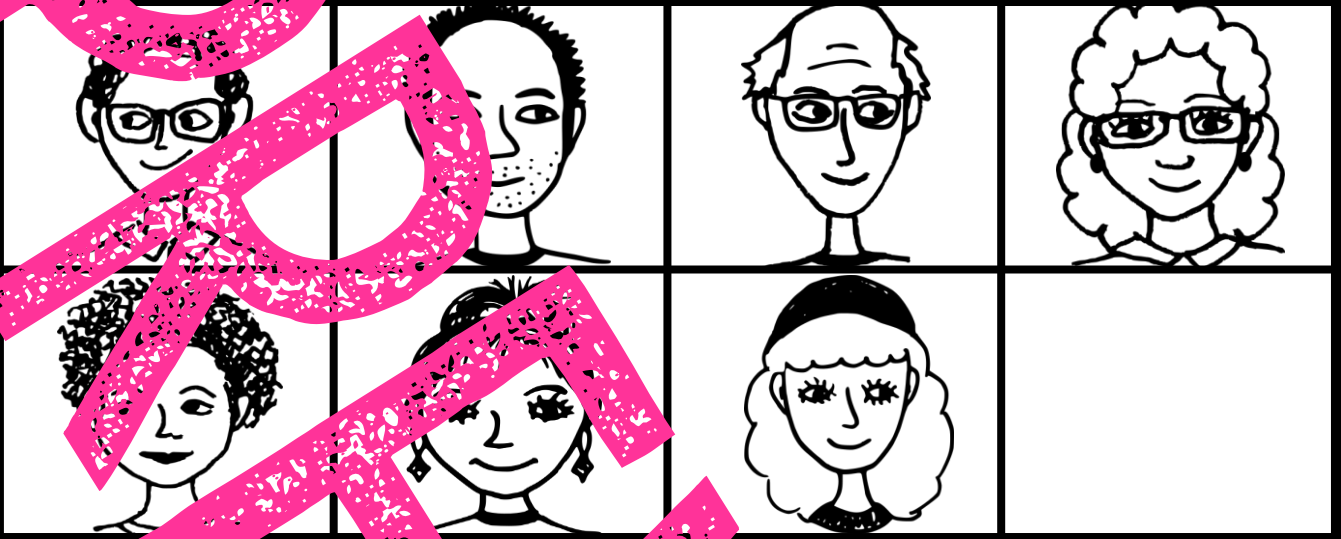
Red

Yellow

# CASE FILE

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

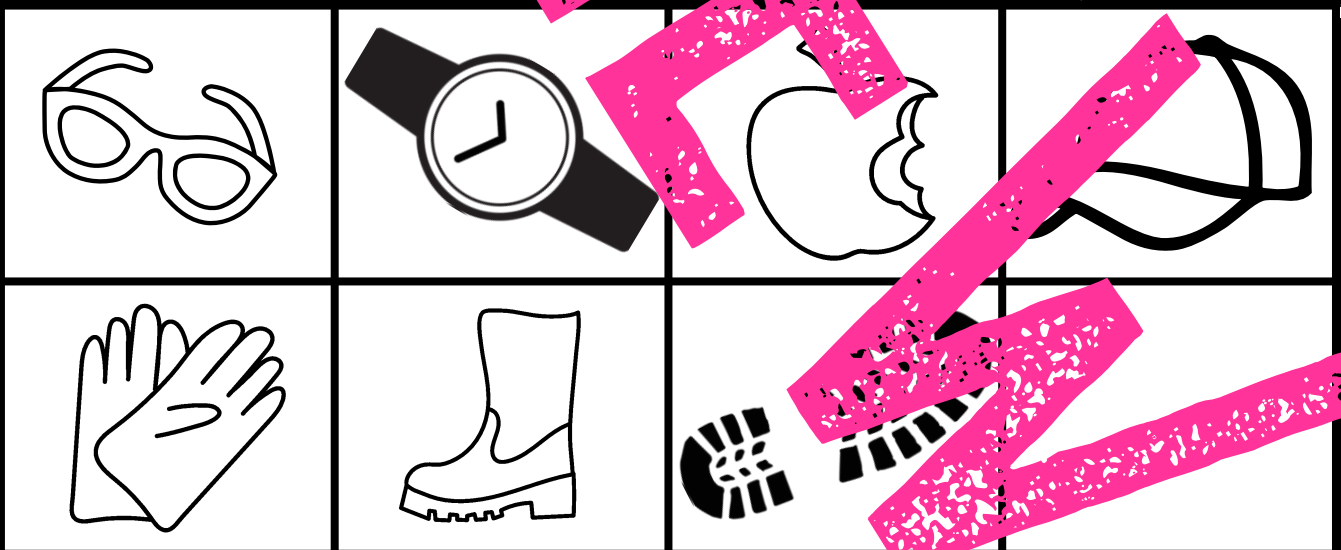
SUSPECTS



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**