

# 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

MIDDLE

5

BEGINNING

5

MIDDLE

5

END

6

BEGINNING

6

MIDDLE

6

END

7

BEGINNING

# MUSCULAR SYSTEM

Every system in the human body is important to help us live and function, and the muscular system is no exception. The muscular system is composed (made up) of more than 600 muscles.

Muscles are what we use to move around. They are located all over the body and beneath the skin. Some muscles work without a person thinking, such as the heart that pumps blood, while others we have to actively move such as the leg muscles when walking across the street. The word muscle comes from the Latin word *musculus*, meaning "little mouse."

Muscles work when the brain sends signals to them to move. Proteins and chemicals in the body give them energy to either contract, tighten or relax. For example, to pick up a pencil the brain will send signals to the muscles in the hand to relax and open and then contract to grab the pencil.

There are three main types of muscles. The first is skeletal muscles which are what we use to move around. Skeletal muscles, also called striated muscle, are connected to our bones, and help move the bones on command. When we want to do something like walk across the street, our brain sends signals to the muscles in the legs to begin moving. Our muscles move the bones, and we are able to walk. These muscles are connected to the bones by tendons, which are very strong tissues that hold them together.

Smooth muscles, also called involuntary muscles, do not connect to the bones like skeletal ones. These are used to control our organs such as the stomach. These muscles cannot be controlled by a person and they do their job without a person thinking about it. One place these muscles are found are in the stomach and the digestive system. They contract and relax to help food move through the body.

Finally, the cardiac muscle is the muscle that is in the heart. It helps the heart pump blood and spread oxygen throughout the body so it can stay alive (oxygen is found in blood). The muscles contract to move the

3

The \_\_\_\_\_ tongue  
muscles help a person  
chew food, talk, and  
move it around.



8

16

4

The word muscle  
comes from the Latin  
word musculus,  
meaning "little \_\_\_\_\_."



Mouse

Bone

House

Brain

5

Smooth muscles  
are also called \_\_\_\_\_  
muscles.



Skeletal

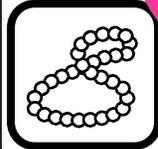
Cardiac

Voluntary

Involuntary

6

The cardiac muscle  
controls the \_\_\_\_\_.



Brain

Heart

Spring

Leg

7

There are \_\_\_\_\_ main types of muscles.



5

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What is the largest muscle?



Deltoid

Lumbar multifidus

Masseter

Gluteus maximus

9

The cardiac muscle is also called the \_\_\_\_\_.



Cerebrum

Myocardium

Alveoli

Stapedius

10

What is the smallest muscle?



Eye

Ear

Tooth

Jaw

# 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**