

NERVOUS SYSTEM

ESCAPE ROOM

A. Brain
B. Spinal cord
C. Diaphragm
D. Neurons

6 What are experts that study the nervous system called?

A. Neurologist
B. Cariologists
C. Podiatrists
D. Pulmonologists

How many times you used each letter answer (ABCD) to solve the 4-digit code and record it on your answer sheet.

2112	1302
J	N

vertebrae has MINUS 29.

The FIRST number of the lock is the number of main types of neurons MINUS 3.

The THIRD number of the lock is the average weight in pounds of the adult human brain MINUS 2.

Once you determine the 4-digit code, decide if the code uses all EVEN #s, all ODD #s or a combination of both.

ALL EVEN	ALL ODD	COMBO
J	K	P

ganglia 5 automatic 7 brain
6 alveoli 8 heart
9 autonomic

The peripheral nervous system (PNS) connects the CNS to the organs and limbs and refers to the nerves outside of the ___ and spinal cord. It is composed of sensory neurons, ___ (groups of neurons), and nerves connecting to other parts of the body. The peripheral nervous system is divided into the somatic nervous system and the ___ nervous system. The somatic nervous system controls the organs that work to keep our body alive. These nerves work automatically and without a person thinking about it. For example, breathing or digesting (breaking down) food are things the brain and body automatically send signals to complete. The somatic nerves are what we ___ and think about, such as walking or waving.

Once you determine the 4-digit code, decide if the code uses all EVEN #s, all ODD #s or a combination of both.

ALL EVEN	ALL ODD	COMBO
B	M	M

STATION 2: PARAGRAPHS

First, number ALL the paragraphs on your reading passage. Then, read each statement below and determine which paragraph NUMBER the statement can be found in. Paragraph numbers MAY be used more than one time or not at all. Use the directions below to reveal the 4-digit code and letter clue.

A Motor neurons carry signals away from the brain to muscles.

B The cerebellum controls posture, balance, coordination and speech.

C The peripheral nervous system is divided into the somatic nervous system and the autonomic nervous system.

D Alzheimer's disease impairs mental functions, such as memory.

STATION 3: TRUE OR FALSE

Read each statement below and determine if it is true or false. If the statement is true, color the coin on YOUR answer sheet that corresponds with that question. If the statement is false, cross out that coin value. When you are finished add the TOTAL of ALL TRUE coin values to reveal your letter clue. One digit of the code has been provided for you. If the total is 625, a 6 would go in the first box, the 2 in the second box and so on.

A 75	B 25	C 100	D 50	E 100	F 50
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A. Stimuli is a thing or event that prompts a specific functional reaction in an organ or tissue.

B. Sometimes, the body acts before the brain sends any signals.

C. The cerebellum is the largest part of the brain.

D. A pulmonologist studies the respiratory system.

THE NERVOUS SYSTEM

The nervous system is responsible for communicating with the brain. To pick up a pencil, the brain sends signals to the fingers to reach down and grasp it. The brain is in constant contact with the rest of the body, sending signals to what is happening on the outside and inside.

Each human body system has different organs to do its job. In the brain, the spinal cord, and other tissues, and organs help receive and send signals to internal and external Stimuli.

There are three main types of neurons: sensory neurons, relay neurons, and motor neurons. Sensory neurons carry signals from the muscles. Relay neurons communicate

THINK TANK

STATIONS ACTIVITY

WHAT'S INCLUDED?

- ✓ READING PASSAGE
- ✓ 5 STATIONS
- ✓ TEACHER GUIDE
- ✓ ANSWER KEY
- ✓ STUDENT DIRECTIONS
- ✓ TEXT MARKING OPTION
- ✓ PROP SIGNS

STATION 1: FILL IN THE BLANK

Use your reading passage to determine the missing words in the paragraph below. Each missing word has a corresponding NUMBER. The 4-digit code for this station will be the NUMBER for each missing word, in the same order in which they appear in the paragraph. Then, record the clue LETTER on your answer sheet.

STATION 2: PARAGRAPHS

First, number ALL the paragraphs on your reading passage. Then, read each statement below and determine which paragraph NUMBER the statement can be found in. Paragraph numbers MAY be used more than one time or not at all. Follow the directions below to reveal the 4-digit code and letter clue.

STATION 3: TRUE OR FALSE

Read each statement below and determine if it is true or false. If the statement is true, color the coin on YOUR answer sheet that corresponds with that question. If the statement is false, cross out that coin value. When you are finished add the TOTAL of ALL TRUE coin values to reveal your letter clue. One digit of the code has been provided for you. If the total is 625, a 6 would go in the first box, the 2 in the second box and so on.

STATION 4: COMBINATION

Use your reading passage to determine the combination to the 4-digit lock for this station. You're going to have to use your critical thinking skills and do a tiny bit of math. Pay attention because the "clues" below are NOT in order. There is room on your answer sheet to do the math.

STATION 5: MULTIPLE CHOICE

Answer each multiple-choice question below. Then, count the number of times you used each letter answer (ABCD) to reveal your 4-digit code. Letters may be used more than once or not at all. If a letter option is not used, put a zero in that box on your answer sheet.

ANSWER RECORDING SHEET

Record your answers for each station on this sheet. Then, use the directions below to determine final 4-digit ALPHA code. Ex: HBDR

STATION CODES

LETTER CLUE

STATION 1	→	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	CODE
-----------	---	----------------------	----------------------	----------------------	----------------------	------

A	B	C	D	E	F	
---	---	---	---	---	---	--

STATION 2	→	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	CODE
-----------	---	----------------------	----------------------	----------------------	----------------------	------

ENTER

1

2

3

TEACHER DIRECTION

- 1 Print the reading passage found on [pages 5-6](#) for EACH (front and back).
- 2 Print the answer recording sheet on [page 12](#) for each student group of students.

RECAP: Print pages 5, 6, and 12 for students.

STATION

5

BLUE

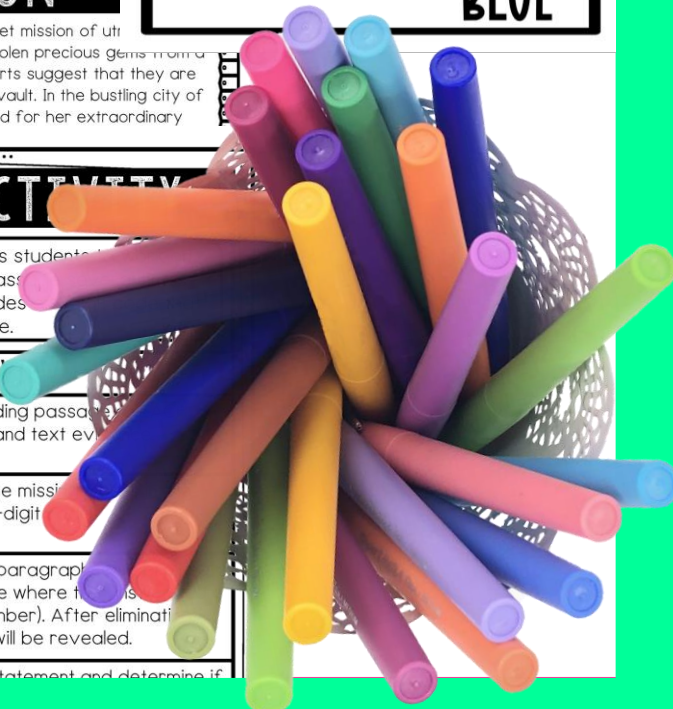
THE MISSION

You have been assigned a top-secret mission of utmost importance. A notorious thief has stolen precious gems from a prominent lady, and intelligence reports suggest that they are hidden in a heavily guarded secret vault. In the bustling city of Oakville, Lady Victoria was renowned for her extraordinary

ABOUT THIS ACTIVITY

The reading passage in this packet allows students to practice their comprehension skills after reading the passage. Students will be searching for evidence. Each station includes a question that will reveal a letter clue.

	OVERVIEW
READING PASSAGE	Students will use the reading passage at each station seeking answers and text evidence.
STATION 1	Students will determine the missing word in the paragraph to reveal a 4-digit code.
STATION 2	Students will number the paragraphs in the reading passage to determine where the missing words can be found (paragraph number). After eliminating the incorrect numbers, a 4-digit code will be revealed.
STATION 3	Students will read each statement and determine if it is true or false.



5 STATIONS

STATION 5: MULTIPLE CHOICE

Answer each multiple-choice question below. Then, count how many times you used each letter answer (ABCD) to reveal the code. Letters may be used more than once or not at all. If an option is not used, put an X in that box on your answer sheet.

1. What does the cerebellum do? It is a kind of neurons that comes from the brain.

A. Posture
B. Balance
C. Speech
D. All of the above

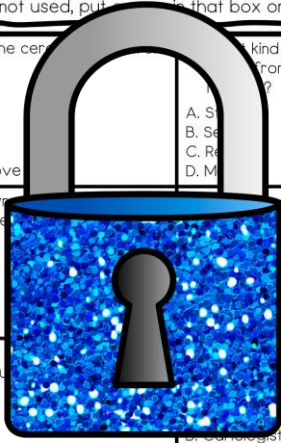
2. What is known as the control center of the brain? It is part of the brain that processes information.

A. CNS
B. DNS
C. RNS
D. PNS

3. What nerves do you think about? Experts that study the nervous system called _____.

A. Cerebrum
B. Somatic
C. Autonomic
D. Ganglia

Count how many times you used each letter answer to determine the 4-digit code and record it on your answer sheet.



ANSWER RECORDING SHEET

Record your answers for each station on this sheet. Then, use the directions below to determine final 4-digit ALPHA code. Ex: HBDR

STATION	STATION CODES	LETTER
STATION 1	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
STATION 2	A B C D E F	
STATION 3	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
STATION 4	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
STATION 5	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

Do your math in this area:

1 2 3 4 5 6

A# B# C# D#

STATION 4: COMBINATION

Use your reading passage to determine the combination to the 4-digit lock for this station. You're going to have to use your critical thinking skills and do a tiny bit of math. Pay attention because the "clues" below are NOT in order. There is room on your answer sheet to do the math.

1. The LAST number of the lock is _____.

2. _____ miles per hour. _____ can send _____ messages to your brain. _____ MINUS 199.

3. The SECOND number of the lock is the _____.

4. _____ number of pairs of _____ nerves the _____.

5. _____ lock is _____.

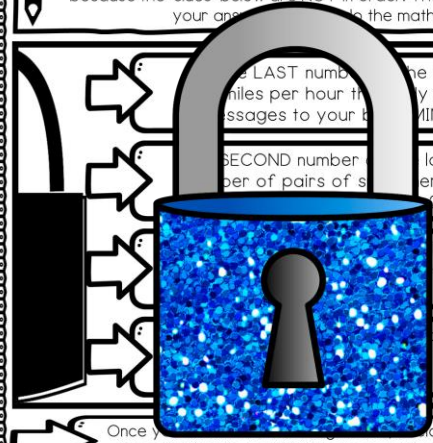
6. _____ s of _____.

7. _____ lock is _____.

8. _____ the adult _____.

Once you determine the 4-digit code, decide if the code uses all EVEN #s, all ODD #s or a combination of both.

ALL EVEN ALL ODD COMBO



STATION 1: FILL IN THE BLANK

Use your reading passage to determine the missing word in each paragraph below. Each missing word has a corresponding NUMBER. The 4-digit code for this station will be the NUMBER of each missing word in the order in which they appear in each paragraph. The code will be recorded on your answer sheet.

1. _____ control _____.

2. _____ cilia _____.

3. _____ ganglia _____.

4. _____ can't control _____.

5. _____ automa _____.

6. _____ alveoli _____.

7. _____ br _____.

8. _____ he _____.

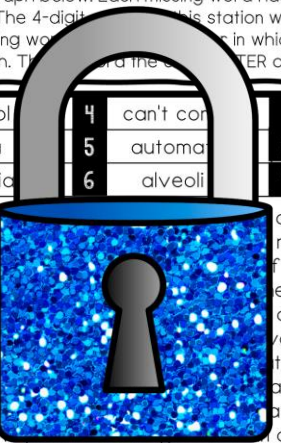
9. _____ auto _____.

The peripheral nervous system connects the brain to the rest of the body. It consists of all the nerves that branch out from the brain and spinal cord. The peripheral nervous system is divided into two parts: the somatic nervous system, which controls voluntary actions, and the autonomic nervous system, which controls involuntary actions. The autonomic nervous system is further divided into the sympathetic and parasympathetic systems. The sympathetic system is responsible for the "fight or flight" response, while the parasympathetic system is responsible for the "rest and digest" response. The autonomic nervous system works to keep the body alive and functioning normally. Without it, a person would not be able to breathe or digest food. The autonomic nervous system is what we don't think about, such as walking or breathing.

Once you determine the 4-digit code, decide if the code uses all EVEN #s, all ODD #s or a combination of both.

ALL EVEN ALL ODD COMBO

B H M



STATION 3: TRUE OR FALSE

Read each statement below and determine if it is true or false. If the statement is true, color the coin on YOUR answer sheet that corresponds with that question. If the statement is false, cross out that coin. Once you are finished coloring the coins, use the TRUE coin values to determine the 4-digit code. One digit of the code will be provided for you. The other three digits will be determined by the first box, the second box, and the third box.

A 75

B 25

C 50

D 100

A. Stimuli that trigger a reaction in an organism prompt a specific response.

B. Somatostatin, the body acts to inhibit the brain.

C. The cerebellum is part of the brain.

D. The autonomic nervous system is part of the brain.

E. The peripheral nervous system is part of the brain.

F. The somatic nervous system is part of the brain.

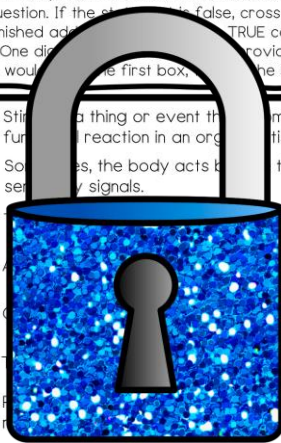
G. The autonomic nervous system is part of the brain.

H. The nervous system is made up of the brain, the spinal cord, and a network of nerve cells.

After shading the coins on your answer sheet, use the TRUE statements to get the final total.

350 425 2

G D



STATION 2: PARAGRAPHS

First, number ALL the paragraphs on your reading passage. Then, read each statement below and determine which paragraph NUMBER the statement can be found in. Paragraph numbers MAY be used more than once or not at all. Follow the directions below to determine the 4-digit code and letter clue.

A. Motor neurons carry signals away from the brain to the muscles.

B. The cerebellum helps posture, balance, coordination, and speech.

C. The peripheral nervous system is part of the somatic nervous system.

D. Alzheimer's disease is a type of dementia, such as memory.

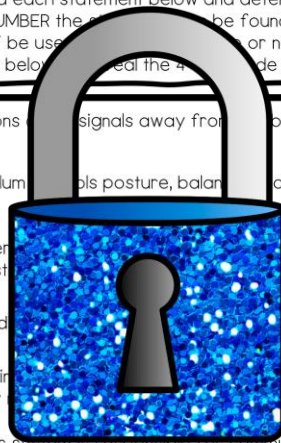
E. The two main types of neurons are motor nerves and sensory nerves.

F. The nervous system is responsible for communication between the body and the brain.

1. ELIMINATE the highest and lowest used paragraph numbers and record the remaining 4-digit code on your answer sheet. 2. Decide which paragraph number was NOT used as a CODE answer.

NO 6 NO 8 NO 4

L C W



STATIONS

ABOUT THIS ACTIVITY

The reading passage in this packet allows students to work on comprehension skills after reading the passage several times searching for evidence. Each station includes a 4-digit code that will reveal a letter clue.


OVERVIEW

READING PASSAGE	Students will use the reading passage at EACH station seeking answers and text evidence.
STATION 1	Students will determine the missing words in the paragraph to reveal a 4-digit code.
STATION 2	Students will number the paragraphs and browse the passage to determine where the answers can be found (paragraph number). After eliminating numbers, a 4-digit code will be revealed.
STATION 3	Students will read each statement and determine if it is true or false. They will then ADD all TRUE values to find the 4-digit code.
STATION 4	Students will do some basic math here, read the passage to find the answers and then determine the 4 digit code.
STATION 5	Students will answer 6 multiple choice questions which lead them to a 4 digit code based on the number of times they used each "ABCD" answer.
TEXT MARKING	OPTIONAL: A color code chart is included in case you want students to mark the text, citing evidence of where they found their answers. (This will increase completion time)

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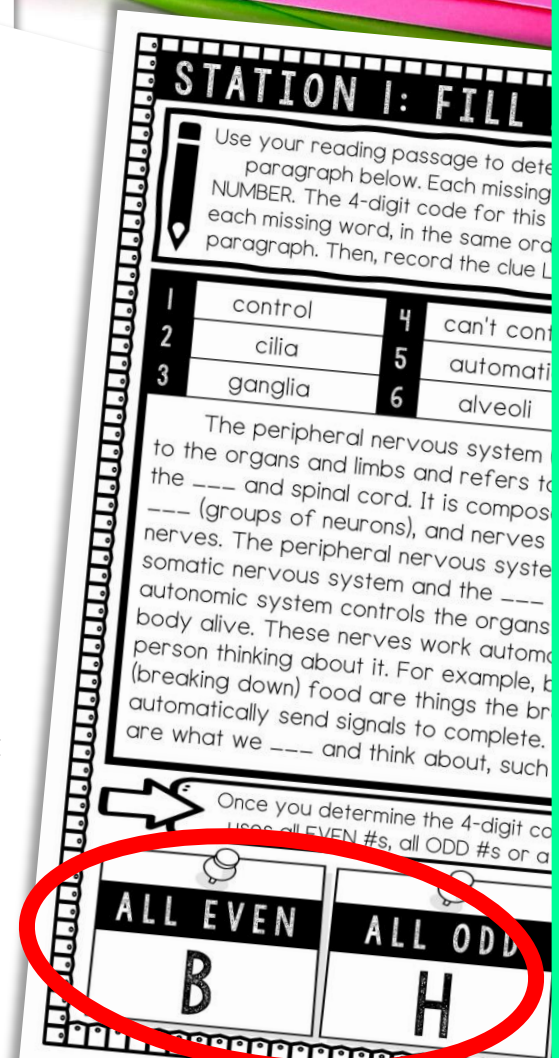
**STUDENTS WILL
USE THE SAME
READING
PASSAGE AT
EACH STATION
SEEKING
ANSWERS AND
TEXT EVIDENCE.**

HOW IT WORKS



ENGAGING READING
COMPREHENSION PRACTICE!

- 1 Students work individually (or in pairs) and visit 5 stations, answer questions, decipher a 4-digit code at each station and grab a "letter" clue for the final alpha code.
- 2 Students will answer the questions (found directly in the passage) on their own recording sheet. Students will have to revisit their reading passage several times at EACH station skimming for answers.



STATION 1: FILL

Use your reading passage to determine the missing word in the paragraph below. Each missing word is represented by a 4-digit code. Record the 4-digit code for each missing word, in the same order as they appear in the paragraph. Then, record the clue letter for each missing word.

1	control	4	can't control
2	cilia	5	automatic
3	ganglia	6	alveoli

The peripheral nervous system is located outside the brain and spinal cord and refers to the _____ and spinal cord. It is composed of _____ (groups of neurons), and nerves. The peripheral nervous system is divided into the somatic nervous system and the _____ nervous system. The somatic nervous system controls the organs and muscles of the body alive. These nerves work automatically. For example, when a person thinking about it. For example, breaking down food are things the brain automatically send signals to complete. These are what we _____ and think about, such as _____.

Once you determine the 4-digit code for each missing word, use all EVEN #s, all ODD #s or a combination of both to determine the final alpha code.

ALL EVEN	ALL ODD
B	H

BENEFITS

- ✓ STATIONS AND MOVEMENT
- ✓ CLOSE READING
- ✓ COMPREHENSION SKILLS
- ✓ SECRET CODES
- ✓ CITING EVIDENCE
- ✓ CRITICAL THINKING
- ✓ PRINT AND GO
- ✓ ACTIVE LEARNING
- ✓ CROSS-CURRICULAR
- ✓ HIGHLY ENGAGING
- ✓ NO LOCKS NEEDED
- ✓ NO SILLY ENVELOPES TO STUFF
- ✓ NO ODD SHAPES TO CUT OUT



Everything a teacher dreams of wrapped up into one FUN and engaging activity!

USE FOR:



ANTICIPATORY SETS



UNIT REVIEW



EARLY FINISHERS



STATIONS



REWARD ACTIVITY



CENTERS



SUB PLANS



PARTNER WORK



ENRICHMENT

