

# Drag and Drop

Complete each sentence with a word from the list. Drag and drop the words in the boxes.

brain

spinal cord

nerves

messages

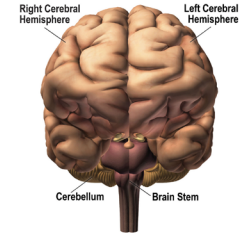
data

- The \_\_\_\_\_ is like a computer that controls our body.
- The information that is carried along our nervous system is like computer \_\_\_\_\_.
- Important \_\_\_\_\_ about the world around us are understood in our brain.
- Our \_\_\_\_\_ is protected inside the bones of our spine.
- We have millions of \_\_\_\_\_ in our body that carry messages to our brain.

15

# Reading Passage

One of the most important organ systems in our body is the nervous system. The nervous system is a network of tissue that has the job of sending and carrying messages to all areas of our body. Our nervous system controls all our movements and reactions to the world around us. The nervous system is made of three important parts – the brain, the spinal cord and the nerves.



To understand how the parts of the nervous system work together, think of a computer system. The brain is the computer. The spinal cord is the cable carrying the messages or data to and from the computer. All the nerves connect to the spinal cord. These nerves carry the messages to every part of the body and also send important information back to the brain.

# Comprehension Questions

Underline the words and ideas that describe what the nervous system does. Drag the red line to the correct terms.

- \_\_\_\_\_
- control center                      carries messages                      controls emotion
- helps us understand the world                      controls breathing                      controls posture
- helps us understand language

17

# Marking Rubric

Name: \_\_\_\_\_

Marking Rubric

|                                | Level 1   | Level 2   | Level 3  | Level 4  |
|--------------------------------|---|---|--|--|
| <b>Understanding Concepts</b>  | Demonstrates a limited understanding of the concepts. Requires teacher intervention. <input type="checkbox"/>                               | Demonstrates a basic understanding of the concepts. Requires some intervention. <input type="checkbox"/>                                  | Demonstrates a good understanding of the concepts. Requires no intervention. <input type="checkbox"/>  | Demonstrates an excellent understanding of the concepts. Requires no intervention. <input type="checkbox"/>                                |
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Total Score = 15 / 45

# Drag and Drop

Complete each sentence with a word from the list. Drag and drop the words in the boxes.

neuron

brain

tissue

spinal cord

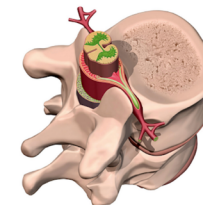
vertebra

- a) A single bone in the spine is called a \_\_\_\_\_.
- b) \_\_\_\_\_ is another word for nerve cell.
- c) The \_\_\_\_\_ carries messages to and from the brain.
- d) Our \_\_\_\_\_ is protected inside our skull.
- e) A group of cells that work together to do a specific job are called \_\_\_\_\_.

/5

# Reading Passage

We have read that the nervous system is like a computer network that sends messages to every part of our body. We know the brain controls the whole system. Now we'll learn about the other two important parts of the nervous system – the spinal cord and the nerves.



## The Spinal Cord

The spinal cord is a thick bundle of nerve tissue that runs down our back from the base of the brain. Information travels back and forth between the brain and the nerves in the rest of the body along the spinal cord. If our spinal cord was seriously injured, this two-way communication between our body and brain would stop. This is why our spinal cord is protected inside the bones of the spine, called vertebrae.

# Comprehension Questions

Answer the question with a complete sentence. Type your answer in the box below.

Why is it important that our spinal cord is protected?

/2

# Marking Rubric

Name: \_\_\_\_\_

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Total Score = /41

# Matching

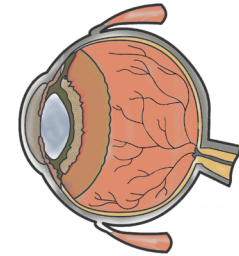
Match the word on the left with its meaning on the right. Type the number of the word next to its meaning.

- |   |         |   |                      |
|---|---------|---|----------------------|
| 1 | eyelid  | To keep something safe from harm.                   | <input type="text"/> |
| 2 | protect | The small black hole in the center of the eye.      | <input type="text"/> |
| 3 | blink   | We do this when we open and close our eyes quickly. | <input type="text"/> |
| 4 | pupil   | Thin layer of skin that slides down over the eye.   | <input type="text"/> |

/4

# Reading Passage

For many people, eyesight is one of the most important of the five senses. The information we get through our eyes helps us in many ways. Seeing a car driving toward us helps us know to move out of the way. Reading a book teaches us new things about the world. Watching a funny movie entertains us and makes us laugh. We are happy when we see the faces of the people we love.



# Comprehension Questions

Complete the paragraph with words from the list. Type your answers into the paragraph below.

- |       |       |        |
|-------|-------|--------|
| pea   | iris  | lens   |
| optic | pupil | retina |

The colored part of the eye is called the . In the center of the eye is a black part called the . Behind both of these is the . This part of the eye is very small. It is only the size of a . The  is located at the back of the eye. It is linked to the  nerve.

/6

# Marking Rubric

Name:

Marking Rubric

|                                     | Level 1   | Level 2   | Level 3  | Level 4  |
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Total Score =  /54

# Matching

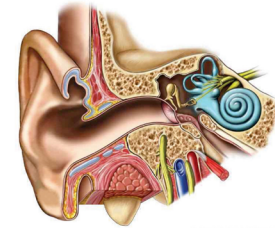
Someone has matched the words on the left to the definitions on the right. Are they correct? If yes, drag a checkmark in the circle beside each. If no, drag an X in the circle and correct the work by typing the correct answer in the blue box. /6

|                       |   |                  |   |  |                          |
|-----------------------|---|------------------|---|--|--------------------------|
| <input type="radio"/> | 1 | eardrum          | → | The part of the ear that is outside our head.                | <input type="checkbox"/> |
| <input type="radio"/> | 2 | middle ear       | → | Thin layer of skin covering the bottom end of the ear canal. | <input type="checkbox"/> |
| <input type="radio"/> | 3 | inner ear        | → | The location of the smallest bones in the body.              | <input type="checkbox"/> |
| <input type="radio"/> | 4 | ear canal        | → | Created in the air when things move.                         | <input type="checkbox"/> |
| <input type="radio"/> | 5 | sound vibrations | → | One-inch long tube that leads into the head.                 | <input type="checkbox"/> |
| <input type="radio"/> | 6 | outer ear        | → | The deepest part of our ear.                                 | <input type="checkbox"/> |

# Reading Passage

We hear sound when movement – like a door slamming – stirs the air around us and makes vibrations in the air. These vibrations move into our ears. They travel inside our head and are turned into electrical signals. These signals are sent to our brain, and a message telling us what the sound means is made. Sound waves travel very fast. This means we understand what we hear as soon as we hear it.

The parts of the ear are divided into three main areas: the outer ear, the middle ear, and the inner ear.



# Comprehension Questions

Answer the question with a complete sentence. Type your answer in the box below.

Why is the eardrum important?

/1

# Marking Rubric

Name: \_\_\_\_\_

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Total Score = /47

# Definitions

Use a dictionary to look up the meanings of the words below.  
Type the definitions in the boxes below.

pressure

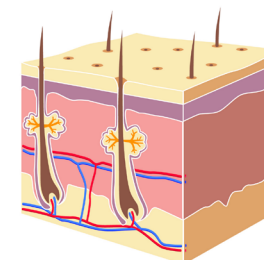
temperature

survival

/3

# Reading Passage

Our body is completely covered with skin. One of the most important jobs of our skin is to help us understand the world through the sense of touch. Our skin notices pain, pressure, heat and cold. Messages are then sent to our brain. The brain can tell the difference between the soft fur of a puppy and the burning sensation of a flame. This is important to keep us safe. Without the sense of touch we would not feel sharp stones under our feet, freezing cold winds, or a bee sting.



# Comprehension Questions

Drag the checkmark to the correct answer for each question.

- ✓ a) Why is the sensation of pain useful to humans?
- It makes us tough.
  - It teaches us how to fight back.
  - It really isn't very useful at all.
  - It can tell us when we are in danger and need to protect ourselves.
- ✓ b) Sensory receptors work a lot like \_\_\_\_\_.
- thermostats
  - light switches
  - car engines
  - alarm clocks

/2


# Marking Rubric

Name:

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Total Score =  /46

# Definitions

 Use a dictionary to look up the meanings of the words below. Then type each word in a sentence that shows its meaning.

**bitter**

**bud**

**cavity**

/3

# Reading Passage


 **How Are Taste and Smell Linked?**

Scientists know we taste things through small lumps of sensing tissue called taste buds. Taste buds are located on the tongue and at the back of the mouth. These buds can taste one of four different tastes – sweet, sour, bitter and salty. The average adult has over 10,000 taste buds!

 **What are the four different tastes our taste buds can sense?**

/4

# Comprehension Questions

 Are the following statements TRUE or FALSE? Drag the circles to TRUE or FALSE.

- We have 1,000 taste buds in our mouth.  
TRUE    FALSE
- We can taste salty, sweet, bitter and juicy.  
TRUE    FALSE
- The sense of smell is not well understood by scientists.  
TRUE    FALSE

/3

# Marking Rubric

Name:

Marking Rubric

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Total Score =  /64

# Matching

Match the word on the left with its meaning on the right. Type the number of the word next to its meaning.

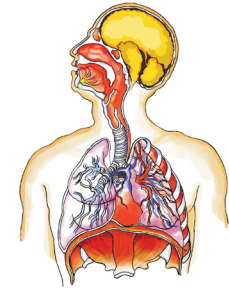
|   |                |   |                          |
|---|----------------|---|--------------------------|
| 1 | flap           | Damp or a little bit wet.               | <input type="checkbox"/> |
| 2 | epiglottis     | A covering that moves.                  | <input type="checkbox"/> |
| 3 | carbon dioxide | The flap of skin covering the windpipe. | <input type="checkbox"/> |
| 4 | cough          | The waste gas we breathe out (exhale).  | <input type="checkbox"/> |
| 5 | moist          | To force air out of our lungs quickly.  | <input type="checkbox"/> |

/5

# Reading Passage

Humans need an important gas called oxygen to live.

Without oxygen we would die in a few minutes. We get oxygen from the air around us. Our respiratory system brings the air into our body where we can use it. At the same time, our body needs to remove a waste gas called carbon dioxide. Our respiratory system does this job too. We breathe in oxygen and breathe out carbon dioxide 24 hours a day, all our lives, without having to think about it.



# Comprehension Questions

Complete the paragraph with words from the list. Type your answers into the paragraph below.

|           |               |      |
|-----------|---------------|------|
| moistened | blood vessels | nose |
| germs     | lungs         |      |

Air comes into our  through our nose and mouth. It is healthier to breathe through your . This is because air is  by nasal mucus. Mucus also traps dirt and . Air is heated by passing over .

/5

# Marking Rubric

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Marking Rubric

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Total Score =  /51

# Definitions

Use a dictionary to look up the meanings of the words below.  
Write the definitions in the boxes below.

inhale

exhale

sac

/3

# Reading Passage

## Our Lungs Look Like a Tree

A good way to picture our lungs is to think of a tree. Lungs have a solid trunk, just like a tree. Lungs also have branches that get smaller the further up you look. Our lungs are like an upside-down tree. The trachea (windpipe) is like the trunk. It separates into two main branches, called the bronchial tubes. Each branch, or tube, leads into one of our lungs. These tubes branch many more times into thousands of "twigs". At the end of each "twig" is a small sac called the alveoli. The alveoli are like balloons; they fill with air when we breathe in. The inside surface of the alveoli is covered in tiny blood vessels. The blood vessels move carbon dioxide from the bloodstream into the lungs. Then, this gas moves out of the lungs as we breathe out (exhale). The blood vessels also take oxygen from the lungs to every part of the body.

# True or False

Are the following statements TRUE or FALSE?  
Drag the circles to TRUE or FALSE.

- Our lungs are shaped like soccer balls.  
TRUE    FALSE
- As we inhale, air moves out of our lungs.  
TRUE    FALSE
- The main job of the respiratory system is to transfer two gases in the body.  
TRUE    FALSE
- Carbon dioxide is taken out of our body when we breathe.  
TRUE    FALSE

/4

# Marking Rubric

Name:

Marking Rubric

|   | Level 1   | Level 2   | Level 3  | Level 4  |
|---|---|---|--|--|
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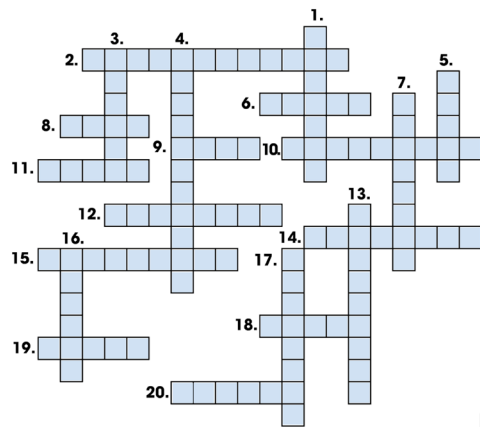
Total Score =  /45



# Crossword

### Word List

- brain stem
- bundle
- canal
- cells
- computer
- connected
- iris
- lens
- messages
- motor
- nasal cavity
- optic
- outer
- oxygen
- posture
- protected
- retina
- survival
- train station
- vertebra



/20

# Word Search

Drag the red circles

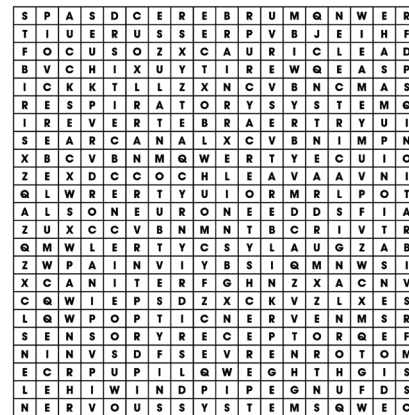
over top of the words

you find in the word

search.



/28



# Comprehension Quiz

## Comprehension Quiz

Are the following statements TRUE or FALSE? Drag a circle to the answer.

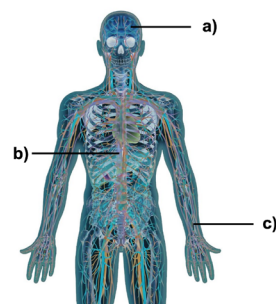
- Our vertebrae protect our spinal cord from damage.  
TRUE FALSE
- Nerve cells carry messages to and from the brain so that we can understand the world around us.  
TRUE FALSE
- The three parts of the brain are called the cerebrum, cerebellum and brain stalk.  
TRUE FALSE
- The iris is the colored part of the eye.  
TRUE FALSE

/4

# Comprehension Quiz

Label the nervous system in the diagram below. Use the words in the list. Type your answers in the boxes below.

- spinal cord
- nerves
- brain



a)

b)

c)

/3