cerebrum
(noun)

1. Thinking, feeling, sight, hearing, and voluntary movement all take place in the **cerebrum**.
2. The **cerebrum**, cerebellum, and brain stem are each a part of the brain.
3. All vertebrates have a **cerebrum**, located in the front of the skull, though it is most developed in mammals.

corpus callosum
(noun)

1. The **corpus callosum** is an important part of the brain.
2. The bundle of nerves in the **corpus callosum** form a pathway for information inside the brain.
3. Musicians often have a larger **corpus callosum** than non-musicians.

decipher
(verb)

1. When you **decipher** a code, you change it into plain language.
2. It took people many centuries to **decipher**, or decode, Egyptian hieroglyphics.
3. To **decipher** Morse Code, you figure out which letter, number, or punctuation the dots and dashes stand for.

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hemisphere
(noun)

1. A **hemisphere** is one half of a sphere, or other mostly round objects.
2. The Great Red Spot of Jupiter appears in Jupiter's southern **hemisphere**.
3. Each **hemisphere** of the brain is responsible for certain tasks.

lobe
(noun)

1. In living things, a **lobe** is a round, flat part on the body that often is part of a pair, like an ear **lobe**.
2. A hammerhead shark is a strange-looking creature that has a large **lobe** on each side of its head.
3. Each leaf on a clover plant has at least one **lobe**, but usually you'll see three or four.

neuron
(noun)

1. A typical **neuron**, or brain cell, has three parts.
2. A **neuron** can communicate with other cells by sending electrical or chemical signals.
3. If a **neuron** becomes damaged, it may not relay information correctly.

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Name: _____

INSTRUCTIONS: Record a vocabulary word in each word box. Then write a synonym and an antonym, draw a picture, and define each word. Use each word in a sentence on the back of this worksheet.

Word	Picture
_____	

_____
Synonym

_____
Antonym

Definition _____

_____

Word	Picture
_____	

_____
Synonym

_____
Antonym

Definition _____

_____

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cerebrum

the largest part of many mammals' brains, which controls thinking, feeling, communicating, emotions, and some of the senses
(noun)

corpus callosum

the group of nerve fibers in the middle part of the brain in some mammals, which connects and allows communication between the two hemispheres
(noun)

decipher

to make out the meaning of something that is difficult to understand; to decode
(verb)

hemisphere

half of a sphere or a mostly round object, such as a planet or a brain
(noun)

lobe

a rounded or curved section of a body or organ, such as the ear, brain, or lungs
(noun)

neuron

a nerve cell that carries information within the brain and between the brain and other parts of the body
(noun)

Name: _____

An **analogy** shows a relationship between two sets of words. The words in the first pair must have the same relationship as the words in the second pair. To complete an analogy with a missing word, you must first discover the relationship between the completed pair. (Example: *Cat is to meow as dog is to bark.*)

computer	whole	speak	hand	spine	thin

INSTRUCTIONS: Determine the relationship between the first pair of words. Then use the words in the word box to complete the second pair of words.

1. **Decipher** is to *decode* ...as... **utter** is to _____.
2. **Corpus callosum** is to *brain* ...as... **vertebrae** are to _____.
3. **Cerebrum** is to *brain* ...as... **thumb** is to _____.
4. **Hemisphere** is to *sphere* ...as... **half** is to _____.

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Name: _____

An **analogy** shows a relationship between two sets of words. The words in the first pair must have the same relationship as the words in the second pair. To complete an analogy with a missing word, you must first discover the relationship between the completed pair. (Example: *Cat is to meow as dog is to bark.*)

thin	hand	whole	speak	computer	spine

INSTRUCTIONS: Determine the relationship between the first pair of words. Then use the words in the word box to complete the second pair of words.

5. **Neuron** is to *brain* ...as... **transistor** is to _____.

6. **Lobe** is to *round* ...as... **hair** is to _____.

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Name: _____

hemisphere	**corpus callosum**	**cerebrum**	**lobe**
decipher	**neuron**		

INSTRUCTIONS: Use the vocabulary words in the word box above to complete the sentences below.

1. The _____ connects the two sides of the brain and allows them to communicate.

2. The _____, located in the front of the skull, is divided into two hemispheres.

3. The left _____ of the brain controls the right side of the body.

4. When you _____ an ancient text, you need to make sense of its characters.

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Name: _____

hemisphere	decipher	corpus callosum
cerebrum	neuron	lobe

INSTRUCTIONS: Use the vocabulary words in the word box above to complete the sentences below.

5. The _____ on your ear is the round, fleshy part that hangs down.

6. Each _____ in the brain can process and transmit information.

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INSTRUCTIONS: Assign one or more of the following activities to reinforce the function of nouns.

NOUNS

Draw a Picture

Materials: Word cards; box or envelope; paper; pencils, markers, or crayons

Place all the word cards in a box or envelope. Have students pull out a word card and draw a picture of the chosen word. Encourage them to draw a picture that illustrates the word's meaning.

Make a Picture Dictionary

Materials: Paper; pencils, markers, or crayons

Have students create a picture dictionary for the word list by writing their own definitions and drawing their own illustrations in their book.

Make a Sentence

Materials: Word cards, box or envelope, strips of paper

Place all the word cards in a box or envelope. Have students pull out a word card and use their chosen word to create a written or oral sentence.

Match a Word

Materials: Word cards, tape, box or envelope

Place all the word cards in a box or envelope. Have students pull out a word card and tape it onto an object in the classroom using the word as a label.

Mime It!

Materials: Word cards, box or envelope

Place all the word cards in a box or envelope. Have students pull out a word card and act it out. Have classmates try to guess the word.

Pick a Synonym or Antonym

Materials: Word cards

Place all the word cards in a box or envelope. Have students pull out a word card and give a synonym or an antonym for the chosen word. (You may choose to omit words that do not have synonyms or antonyms, or you may choose to include them as points of discussion.)

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Name: _____

INSTRUCTIONS: Use what you know about the vocabulary words to complete the following sentences.

1. One living thing that has a **lobe** is _____.
2. The **corpus callosum** is _____.
3. The **cerebrum** is part of _____.
4. A **neuron** is _____.
5. A **hemisphere** is _____.
6. You might not be able to **decipher** _____.

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Name: _____

INSTRUCTIONS: Choose the best answer to complete each statement.

1. Where is the cerebrum located?
   - ⓐ at the bottom of the spine
   - ⓑ in the front of the skull
   - ⓒ under the surface of the skin

2. The corpus callosum is part of the _____.
   - ⓐ brain
   - ⓑ liver
   - ⓒ heart

3. What is a synonym for *decipher*?
   - ⓐ *decode*
   - ⓑ *encode*
   - ⓒ *express*

4. What fraction of a sphere is a hemisphere?
   - ⓐ one fourth
   - ⓑ one half
   - ⓒ one tenth

5. _____ has a lobe.
   - ⓐ A stem
   - ⓑ Aa finger
   - ⓒ An ear

6. A neuron is a type of _____ cell.
   - ⓐ muscle
   - ⓑ bone
   - ⓒ nerve

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