

Pain Research

A2 Reading, Listening, Vocabulary & Grammar Worksheet

Name: _____ Date: _____

Part 1: New Words

Read the words and their meanings.

Word / Phrasal Verb	Meaning
affects	has an influence on something
researchers	people who study a topic carefully
severe	very serious or bad
unique	special; not the same as anything else
effectively	in a way that works well
promising	showing signs of future success
precise	very exact and accurate
carry out	to do or complete a task, especially a plan or experiment
spot	a specific, particular place or location
look into	to investigate or examine something

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Part 2: Reading

This text uses the Simple Present, Present Continuous, and Simple Past. Read the text.

Chronic pain affects millions of people around the world. Doctors are now testing a new way to treat this kind of pain by working directly with the brain.

Right now, scientists at Stanford are studying deep brain stimulation, a treatment that uses tiny wires placed inside the brain. These wires send small electrical signals that can interrupt pain messages before they reach the rest of the body.

Last year, researchers carried out a small study with three patients who had severe, long-term pain. First, they recorded each patient's pain signals. This took several days. Then they tested different areas of the brain to find out which spot controlled the pain most effectively.

The results were promising. After finding the right spot, doctors turned on the electrical stimulation, and the patients reported feeling much less pain. Scientists are now looking into ways to make the treatment more precise and easier to use for more people in the future.

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Part 3: Vocabulary Practice — Match the word to the meaning

Write the correct letter in the blank.

Word		Meaning
1. affects	___	A. very exact and accurate
2. researchers	___	B. to do or complete a task, especially a plan or experiment
3. severe	___	C. very serious or bad
4. unique	___	D. people who study a topic carefully
5. effectively	___	E. in a way that works well
6. promising	___	F. has an influence on something
7. precise	___	G. a specific, particular place or location
8. carry out	___	H. showing signs of future success
9. spot	___	I. special; not the same as anything else
10. look into	___	J. to investigate or examine something

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Part 4: Synonyms (same meaning)

Circle the word with the same meaning.

1. Which word means the same as "severe"?

☐ A) serious

☐ B) mild

☐ C) easy

2. Which word means the same as "unique"?

☐ A) common

☐ B) special

☐ C) boring

3. Which word means the same as "promising"?

☐ A) hopeless

☐ B) exciting

☐ C) hopeful

4. Which word means the same as "precise"?

☐ A) vague

☐ B) exact

☐ C) slow

5. Which word means the same as "effectively"?

☐ A) successfully

☐ B) badly

☐ C) quickly

Part 5: Antonyms (opposite meaning)

Circle the word with the opposite meaning.

1. Which word means the opposite of "severe"?

☐ A) serious

☐ B) mild

☐ C) large

2. Which word means the opposite of "unique"?

☐ A) common

☐ B) special

☐ C) new

3. Which word means the opposite of "promising"?

☐ A) hopeless

☐ B) exciting

☐ C) positive

4. Which word means the opposite of "precise"?

☐ A) exact

☐ B) careful

☐ C) vague

5. Which word means the opposite of "effectively"?

☐ A) quickly

☐ B) poorly

☐ C) slowly

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Part 6: Grammar — Which tense is used?

Read each sentence from the text. Circle the correct tense.

1. "Chronic pain affects millions of people around the world."

☐ A) Present Continuous

☐ B) Simple Present

☐ C) Simple Past

2. "Doctors are now testing a new way to treat this kind of pain."

☐ A) Present Continuous

☐ B) Simple Past

☐ C) Simple Present

3. "Scientists at Stanford are studying deep brain stimulation."

☐ A) Simple Past

☐ B) Simple Present

☐ C) Present Continuous

4. "Last year, researchers carried out a small study."

☐ A) Simple Present

☐ B) Simple Past

☐ C) Present Continuous

5. "They tested different areas of the brain."

☐ A) Simple Past

☐ B) Present Continuous

☐ C) Simple Present

6. "These wires send small electrical signals."

☐ A) Present Continuous

☐ B) Simple Past

☐ C) Simple Present

Part 7: Grammar — Choose the correct verb form

1. Chronic pain ____ millions of people.

☐ A) affect

☐ B) affected

☐ C) affects

2. Doctors ____ a new way to treat pain right now.

☐ A) are testing

☐ B) test

☐ C) tested

3. Last year, researchers ____ a small study.

☐ A) carry out

☐ B) carried out

☐ C) are carrying out

4. They ____ each patient's pain signals.

☐ A) record

☐ B) are recording

☐ C) recorded

5. These wires ____ small electrical signals.

☐ A) send

☐ B) sent

☐ C) are sending

6. Scientists ____ into ways to improve the treatment now.

☐ A) look

☐ B) are looking

☐ C) looked

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Part 8: Grammar — Change the tense

1. Change to Present Continuous: "Doctors test a new treatment."

- ☐ A) Doctors tested a new treatment.
- ☐ B) Doctors tests a new treatment.
- ☐ C) Doctors are testing a new treatment.

2. Change to Simple Past: "Researchers carry out a study."

- ☐ A) Researchers carried out a study.
- ☐ B) Researchers are carrying out a study.
- ☐ C) Researchers carries out a study.

3. Change to Simple Present: "Scientists were looking into new methods."

- ☐ A) Scientists are look into new methods.
- ☐ B) Scientists look into new methods.
- ☐ C) Scientists looked into new methods.

4. Change to Present Continuous: "Doctors record the pain signals."

- ☐ A) Doctors recorded the pain signals.
- ☐ B) Doctors records the pain signals.
- ☐ C) Doctors are recording the pain signals.

5. Change to Simple Past: "Patients report less pain."

- ☐ A) Patients reported less pain.
- ☐ B) Patients are reporting less pain.
- ☐ C) Patients reports less pain.

Part 9: Word Scramble

Put the words in the correct order. Write the full sentence.

1. affects / Chronic / pain / millions / of / people / around / the / world.

Your sentence: _____

2. send / These / wires / small / electrical / signals.

Your sentence: _____

3. carried / Researchers / out / a / small / study / last / year.

Your sentence: _____

4. tested / They / different / areas / of / the / brain.

Your sentence: _____

5. reported / The / patients / feeling / much / less / pain.

Your sentence: _____

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Part 10: Dialogue — Complete the conversation

Sara and Ben talk about the new pain treatment. Circle the best word or phrase for each blank.

Sara: Have you heard about the new pain treatment?

Ben: Yes! Chronic pain ___(1)___ millions of people, so this is exciting news.

Sara: Right now, scientists ___(2)___ deep brain stimulation for pain.

Ben: I read that researchers ___(3)___ a small study last year.

Sara: The patients had really ___(4)___ pain.

Ben: Doctors ___(5)___ each patient's pain signals over several days.

Sara: Then they found the right ___(6)___ in the brain.

Ben: The results were really ___(7)___ for future treatments.

Sara: Scientists are now ___(8)___ ways to make it even better.

1. Blank 1

- ☐ A) affect
- ☐ B) affects
- ☐ C) affected

2. Blank 2

- ☐ A) studied
- ☐ B) study
- ☐ C) are studying

3. Blank 3

- ☐ A) carried out
- ☐ B) carry out
- ☐ C) are carrying out

4. Blank 4

☐ A) precise

☐ B) severe

☐ C) unique

5. Blank 5

☐ A) record

☐ B) are recording

☐ C) recorded

6. Blank 6

☐ A) spot

☐ B) area

☐ C) signal

7. Blank 7

☐ A) severe

☐ B) promising

☐ C) precise

8. Blank 8

☐ A) carrying out

☐ B) finding out

☐ C) looking into

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Answer Key

Part 3: Vocabulary Matching

1. affects → F
2. researchers → D
3. severe → C
4. unique → I
5. effectively → E
6. promising → H
7. precise → A
8. carry out → B
9. spot → G
10. look into → J

Part 4: Synonyms

1. Which word means the same as "severe"?

☒ A) serious ✓ CORRECT

☐ B) mild

☐ C) easy

2. Which word means the same as "unique"?

☐ A) common

☒ B) special ✓ CORRECT

☐ C) boring

3. Which word means the same as "promising"?

☐ A) hopeless

☐ B) exciting

☒ C) hopeful ✓ CORRECT

4. Which word means the same as "precise"?

☐ A) vague

☒ B) exact ✓ CORRECT

☐ C) slow

5. Which word means the same as "effectively"?

☒ A) successfully ✓ CORRECT

☐ B) badly

☐ C) quickly

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Answer Key

Part 5: Antonyms

1. Which word means the opposite of "severe"?

☐ A) serious

☒ B) mild ✓ CORRECT

☐ C) large

2. Which word means the opposite of "unique"?

☒ A) common ✓ CORRECT

☐ B) special

☐ C) new

3. Which word means the opposite of "promising"?

☒ A) hopeless ✓ CORRECT

☐ B) exciting

☐ C) positive

4. Which word means the opposite of "precise"?

☐ A) exact

☐ B) careful

☒ C) vague ✓ CORRECT

5. Which word means the opposite of "effectively"?

☐ A) quickly

☒ B) poorly ✓ CORRECT

☐ C) slowly

Part 6: Which Tense is Used?

1. "Chronic pain affects millions of people around the world."

☐ A) Present Continuous

☒ B) Simple Present ✓ CORRECT

☐ C) Simple Past

2. "Doctors are now testing a new way to treat this kind of pain."

☒ A) Present Continuous ✓ CORRECT

☐ B) Simple Past

☐ C) Simple Present

3. "Scientists at Stanford are studying deep brain stimulation."

☐ A) Simple Past

☐ B) Simple Present

☒ C) Present Continuous ✓ CORRECT

4. "Last year, researchers carried out a small study."

☐ A) Simple Present

☒ B) Simple Past ✓ CORRECT

☐ C) Present Continuous

5. "They tested different areas of the brain."

☒ A) Simple Past ✓ CORRECT

☐ B) Present Continuous

☐ C) Simple Present

6. "These wires send small electrical signals."

☐ A) Present Continuous

☐ B) Simple Past

☒ C) Simple Present ✓ CORRECT

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Answer Key

Part 7: Correct Verb Form

1. Chronic pain ____ millions of people.

☐ A) affect

☐ B) affected

☒ C) affects ✓ CORRECT

2. Doctors ____ a new way to treat pain right now.

☒ A) are testing ✓ CORRECT

☐ B) test

☐ C) tested

3. Last year, researchers ____ a small study.

☐ A) carry out

☒ B) carried out ✓ CORRECT

☐ C) are carrying out

4. They ____ each patient's pain signals.

☐ A) record

☐ B) are recording

☒ C) recorded ✓ CORRECT

5. These wires ____ small electrical signals.

☒ A) send ✓ CORRECT

☐ B) sent

☐ C) are sending

6. Scientists ____ into ways to improve the treatment now.

☐ A) look

☒ B) are looking ✓ CORRECT

☐ C) looked

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Answer Key

Part 8: Change the Tense

1. Change to Present Continuous: "Doctors test a new treatment."

☐ A) Doctors tested a new treatment.

☐ B) Doctors tests a new treatment.

☒ C) Doctors are testing a new treatment. ✓ CORRECT

2. Change to Simple Past: "Researchers carry out a study."

☒ A) Researchers carried out a study. ✓ CORRECT

☐ B) Researchers are carrying out a study.

☐ C) Researchers carries out a study.

3. Change to Simple Present: "Scientists were looking into new methods."

☐ A) Scientists are look into new methods.

☒ B) Scientists look into new methods. ✓ CORRECT

☐ C) Scientists looked into new methods.

4. Change to Present Continuous: "Doctors record the pain signals."

☐ A) Doctors recorded the pain signals.

☐ B) Doctors records the pain signals.

☒ C) Doctors are recording the pain signals. ✓ CORRECT

5. Change to Simple Past: "Patients report less pain."

☒ A) Patients reported less pain. ✓ CORRECT

☐ B) Patients are reporting less pain.

☐ C) Patients reports less pain.

Part 9: Word Scramble

1. affects / Chronic / pain / millions / of / people / around / the / world.

✓ Chronic pain affects millions of people around the world.

2. send / These / wires / small / electrical / signals.

✓ These wires send small electrical signals.

3. carried / Researchers / out / a / small / study / last / year.

✓ Researchers carried out a small study last year.

4. tested / They / different / areas / of / the / brain.

✓ They tested different areas of the brain.

5. reported / The / patients / feeling / much / less / pain.

✓ The patients reported feeling much less pain.

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Answer Key

Part 10: Dialogue

1. Blank 1

☐ A) affect

☒ B) affects ✓ CORRECT

☐ C) affected

2. Blank 2

☐ A) studied

☐ B) study

☒ C) are studying ✓ CORRECT

3. Blank 3

☒ A) carried out ✓ CORRECT

☐ B) carry out

☐ C) are carrying out

4. Blank 4

☐ A) precise

☒ B) severe ✓ CORRECT

☐ C) unique

5. Blank 5

☐ A) record

☐ B) are recording

☒ C) recorded ✓ CORRECT

6. Blank 6

☒ A) spot ✓ CORRECT

☐ B) area

☐ C) signal

7. Blank 7

☐ A) severe

☒ B) promising ✓ CORRECT

☐ C) precise

8. Blank 8

☐ A) carrying out

☐ B) finding out

☒ C) looking into ✓ CORRECT