1. The words below from *The Cookie Crumbles* have more than one meaning. Look at the meanings for each word, and then decide which meaning is best for each of the sentences following. Write the number of the correct meaning next to the sentence.

**roll**
1. to move forward on a surface by turning over and over
2. to wrap around on itself; shape into a ball
3. a continuous, rapid beating sound
4. a list of names of the people in a group
5. a small, round piece of baked bread-dough

______ To be sure that everyone was there, Shiloh called the roll. 
______ Isley I *rolled* all the way down the hill.
______ This bakery doesn’t make bread or *rolls*, only cookies.
______ Lakeisha saves pieces of string and *rolls* them into a big ball.
______ B.J.’s tapping on the table top sounded like the roll of a drum.

**mint**
1. a plant whose leaves often are used to flavor foods
2. a food or candy flavored with mint extract
3. a place where coins are made
4. unmarred; in perfect condition as if it were new

______ Shiloh carried a package of mints in her pocket.
______ The baseball card was in mint condition!
______ Max’s mother grows mint in her garden.
______ Kyle learned that United States mints are located in Philadelphia, PA; Denver, CO; San Francisco, CA; and West Point, NY.
2. Here are definitions of some words used in *The Cookie Crumbles*. Write a sentence using each word as it is defined. Your sentences should tell something about the story.

   a. **rehabilitation** — the process of restoring the ability to do something
   b. **receptor** (sensory) — a cell or group of cells that receive stimuli from outside the body; a sense organ
   c. **sense** — to become aware of
   d. **analysis** — close examination; breaking information into small parts and then putting them together for better understanding
   e. **vibration** — very rapid back-and-forth movement
   f. **counterfeit** — to make a copy or imitation of something genuine

   a. 
   b. 
   c. 
   d. 
   e. 
   f. 
3. Complete _The Cookie Crumbles_ crossword puzzle (continued on page 4)

**ACROSS**

1. Sensory information is put together in the ___________.
5. Shiloh is one of the Neuro-__________.
7. Body organ used in the sense of touch
8. Lakeisha’s last name
11. What Kyle said when Isley I hit him in the face
12. Children (slang)
14. A sensation of extreme temperature
15. When you use your visual sense, you ____________.
16. I am; you ____________.
18. A combination of sweet and bitter tastes
21. Good friend; buddy
23. Much; for example, a ____________ of fun
25. Lakeisha played chess against her hand-held ____________.
27. Body part used in the sense of smell
30. A single thing
31. Cousin Connie’s ____________ Company
32. Cells of the same kind, joined for a specific job (plural)
33. NeuroExplorer who holds club meetings in his basement
35. Body organ used in the sense of sight
37. Part of the brain that is important for thinking
38. To live; exist
39. Where cookies are baked
41. The senses of smell and ____________ often work together.
43. When the NeuroExplorers ____________ Josh’s cookies, they discovered that the taste was odd.
46. The Brain’s translator
47. Consonants in the words “to go”
49. Related to the sense of sight
51. Form of “a” that is used before words beginning with a vowel
52. A word The Brain uses for the sense of hearing

**DOWN**

3. Complete _The Cookie Crumbles_ crossword puzzle (continued on page 4)

54. Josh ran right into _______ legs, and was caught.
55. The color of Cousin Connie’s hair
3. The Cookie Crumbles crossword puzzle (continued from page 3)

DOWN

1. Method of cooking cookies
2. Study and knowledge about the brain and nervous system
3. Either one _____ the other
4. To question
6. Comic book word for the sound of a blow or explosion
9. Connie talked on the phone to the ____________ Josh Kavil.
10. When The Brain drew his diagram, he made a large ________ to show the location of each sensory organ.
13. Mickey Mantle really knew how to swing a ________!
15. Dogs have a better sense of ________ than we do.
17. Sense organs are sensory _____________.
19. We can taste sweet, sour, bitter and ________.
20. You give cookies ___ your friends.
22. Yellow fruit that tastes sour
24. Our fingers are useful for the sense of ________.
26. Each and ________ one.
27. Negative reply
28. Eyes, ears, nose, mouth and skin provide ________ input.
29. Name of the NeuroExplorer twins
31. Falls apart into little pieces
34. To gain knowledge or skill
36. To figure out where sounds are coming from, it helps to be able to hear with both ________.
37. Touch information is received in the sensory ________, across the top of the brain.
38. Sport played by Mickey Mantle
40. Josh had trouble with his right arm because of ________ on the left side of his brain.
42. When they entered the old house, they found themselves in ________ darkness.
44. A color lighter than brown
45. To move quickly
48. To show the way; lead
49. The sense of ________ is dependent upon the eyes.
50. An old-fashioned way of saying “yes” (Pirates often said it.)
53. A, B, C, _____
1. Sometimes we can figure out the meaning of new words by seeing how they are used in a sentence. Find the following words, used by The Brain in The Cookie Crumbles, and see if you can tell what they mean. Use a dictionary or other resource to check the definitions.

- **prudent**, page 7
- **endeavor**, page 8
- **illicit**, page 30
- **consensus**, page 11
- **alacrity**, page 28
- **sleuthing**, page 34

2. Now complete the following “embedded sentences,” using the same words. Embedded sentences have two parts: 1) a **dependent clause** with the vocabulary word surrounded by, or embedded within, other words; and 2) an **independent clause** that you will create, using your knowledge of what the vocabulary word means, to make a sensible statement.

Example: **Because the 1952 baseball card was in mint condition, Isley I knew that it must be worth a lot of money.**

a. As soon as the NeuroExplorers had reached a **consensus** about visiting Cousin Connie’s Cookie Company,

b. Although The Brain usually was **prudent** about his activities,

c. Since Max was skillful in his constant **endeavor** to translate The Brain’s words,

d. When their **illicit** entry into the Cookie Company was discovered,

e. Because of Josh’s **alacrity** in scooting out the open door,

f. Although each team was successful in **sleuthing** for some clues,
Main Idea

In the story, *The Cookie Crumbles*, there are nine “science boxes” that provide information about the brain and nervous system (pages 3, 4, 6, 8, 16, 18, 19, 23, 26). Look at the boxes on pages 3, 4, 6 and 8. Choose the sentence from each science box that states the main idea of that box (1st, 2nd, last, etc.) and write it on the line below.

Science box, page 3: The main idea is in the________________sentence.

Science box, page 4: The main idea is in the________________sentence.

Science box, page 6: The main idea is in the________________sentence.

Science box, page 8: The main idea is in the________________sentence.

Summary of a Selection

Re-read the chapter called “Everyone Needs a Brain” on pages 15–17. In this chapter, the NeuroExplorers figure out a complicated plan for solving a mystery. Describe their plan in 40 words or less.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
1. Giving as many details as you can, describe the house in which Cousin Connie’s Cookie Company is located.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

2. Describe the woman who opened the door.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

3. Which senses did the Isley twins use in Cousin Connie’s kitchen?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

4. What clues did the Isleys discover about the cookies? Name as many as you can.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
Sequence of Events

1. Read the chapters about the NeuroExplorers’ search for clues on pages 17–28. Find the event below that happened last. Write 4 next to it. Then number the order (1–3) in which the other events happened.

——— Lakeisha and B.J. stumbled upon paper, ink and sheets of plastic.

——— The Brain and Max found out that there’s probably another Josh Kavil.

——— The Isley twins discovered ink, oil and bad-tasting cookies.

——— Josh and Kyle heard footsteps—it was Charlie!

2. After you have read the whole story, number the order in which the following events took place.

——— Shiloh was grabbed while making a phone call.

——— Isley I got excited about a Mickey Mantle rookie baseball card.

——— The NeuroExplorers explained that they had used their senses to find clues, and that Shiloh’s brain had put all the clues together.

——— Josh brought cookies to his first NeuroExplorers Club meeting.

——— The NeuroExplorers hurried to get out of a thunderstorm.
CAUSE AND EFFECT

1. When the NeuroExplorers approached the large woman to ask if her company could make them some brain-shaped cookies, what was the result? What effect did that have on the NeuroExplorers?

2. Why did a baseball card in a box of cookies arouse suspicion? What did the NeuroExplorers do as a result, and what was the ultimate effect of their actions?
**Comparing and Contrasting**

Compare Shiloh, Max and The Brain. Write some of their characteristics in the circles. Write characteristics shared by two or all three of them in the sections that overlap. Are they more alike or more different from each other?
1. What inferences or generalizations might be made when a 1952 baseball card looks and smells like new? List as many different possibilities as you can.

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

2. What was the weather like when the NeuroExplorers arrived at the Cookie Company? How might it have affected their moods? Their feelings? Their reasoning? Their senses?

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________
3. Re-read “Dark Voices” on pages 12 and 13. Which of the following conclusions can be reached with the information given on those pages? Fill in the circle by each statement that you think is correct.

- The Isley twins are frightened in the darkness.
- Connie hates kids.
- Connie and Charlie are running a mail-order business.
- In order to sell more cookies, Connie and Charlie are trying to improve their baking techniques.
- Connie and Charlie have something to hide.
- The NeuroExplorers couldn’t hear the conversation.
- Connie and Charlie know the NeuroExplorers are in the house.
You Be The Judge

Pretend that one of the characters from the book is on trial. This character may have committed a serious crime or may be accused of being mean, selfish, lazy, silly, etc. For instance, Isley II might be accused of “not paying attention.”

Choose a character, fill in his or her “crime,” and write down all of the evidence you can find. (Sometimes it’s fun to use one of the good guys!)

Name of the accused: __________________________

Crime: __________________________

Evidence:

1. __________________________

2. __________________________

3. __________________________

4. __________________________

VERDICT: ______ Guilty

_________ Not Guilty

(Your signature) ________________________

JUDGE

Master of Details, Fact-opinion, Cause-effect, Inferences and Conclusions
**Thinking About What I Read**

**Make a Double Entry Journal.** Choose a passage from this story that you find especially interesting or wonder about, or that reminds you of something you have experienced. Copy the passage on the left side of your journal or notebook page. Then write your thoughts on the right-hand side. Journal entries can be done every day and then brought to discussion groups or shared with the whole class.

**Example**

**Other possible topics for your journal entries are listed below.**

<table>
<thead>
<tr>
<th>What I Read (quote), page 10</th>
<th>What I Think (lead-in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>“Thunder boomed in the distance. The eyes squinted and pulled away, as if they were being A large woman loomed over them.”</td>
<td>This character reminds me of Mrs. Whatsit from “A Wrinkle In Time,” because she was strange looking and eccentric, saying she was blown off course by a hurricane.</td>
</tr>
</tbody>
</table>

a. This character reminds me of myself because . . .
b. I wonder what this means . . .
c. This scene reminds me of a similar scene in ________________ because . . .
d. I think this setting is important because . . .
e. I think the relationship between ______ and ______ is interesting because . . .
f. This situation reminds me of a similar situation in my own life. It happened when . . .
g. Here’s what I thought would happen next . . .
h. I’m confused about . . .
i. A question I would like to ask these characters right now is . . .
j. This part is realistic/unrealistic because . . .