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Authors: Judith Dresden, M.S., Barbara Z. Tharp, M.S., and Nancy P. Moreno, Ph.D.

Illustrations: T Lewis

Editor: James P. Denk
Design: Martha S. Young

Center for Educational Outreach
Baylor College of Medicine
One Baylor Plaza, BCM411
Houston, Texas 77030
713-798-8200 | 800-798-8244
edoutreach@bcm.edu | www.bioedonline.org
1. Here are some words from Trouble at Tsavo that have more than one meaning. Read the meanings for each word, and then decide which meaning goes with the word in each of the sentences below. Write the number of the correct meaning next to each sentence.

**preserve**
1. to protect; keep safe from injury or destruction
2. an area maintained for the protection of wildlife or natural resources
3. fruit cooked with sugar and canned for future use; jam or jelly
4. to protect food from spoiling, as by freezing, canning or pickling

_____ Hunting is not allowed in the wildlife preserve.
_____ We’re going to preserve the cucumbers from our garden by making pickles.
_____ We must preserve our forests.
_____ Please pass the raspberry preserves.

**crest**
1. the top part of something, as of a mountain or a wave
2. a coat of arms, or the prominent design at the top of a coat of arms
3. a tuft of feathers growing on the top of an animal’s head, as on a bird
4. a plume (usually feathers) on a knight’s helmet

_____ The family crest hung over the fireplace in the great hall of the castle.
_____ Can you see the crest on that bluejay’s head?
_____ When I reached the crest of the hill, I could see the river below.
_____ The Black Knight’s crest waved in the wind as he galloped toward his opponent.
2. Here are the definitions of some words used in Trouble at Tsavo. Write a sentence using each word. Your sentences should tell something about the story.

a. **poacher** - one who hunts or kills game or fish illegally

b. **inflammation** - a red and painful swelling caused by injury or infection

c. **involuntary** - not voluntary; something that happens without thought or control

d. **paralysis** - loss of the ability to move

e. **terrain** - features of a particular area of land

f. **potent** - strong; powerful and effective

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a. ____________________________________________________________

b. ____________________________________________________________

c. ____________________________________________________________

d. ____________________________________________________________

e. ____________________________________________________________

f. ____________________________________________________________
3. Complete the Trouble at Tsavo crossword puzzle below.

Across

1. Weight measure suitable for rhinos
4. When a kind of animal no longer exists, it is ________.
7. Patellar reflex: ________-jerk
9. Fasten your seat belt when you get into the ________.
12. Bundle of neuron fibers
13. One of the NeuroExplorers is called The _____________.
14. ________reule at ________avo
16. Nervous system cell that carries messages
18. Dead body of an animal
19. Motor cortex: ________ of nerve cells in the brain area “under your headphones”
21. B.J. ________ the table with her drumstick.
23. Pronoun for myself
24. Part of the brain you use when you choose to move (2 words)
26. Another kind of rhinoceros
29. Nerve bunches inside the bony spine (2 words)
30. Kyle called the NeuroExplorers meeting to _________.
31. Loss of the ability to move
32. Wrinkled part of the brain, where thinking occurs
34. Vehicle used in the desert
35. Part of the rhino wanted by poachers

(continued on page 4)
3.  *Trouble at Tsavo* crossword puzzle (continued from page 3)

**Down**

1.  Group of people; there are some in Africa
2.  Shiloh forgot to fasten her seat-___________.
3.  Shiloh’s _________ was to return to Africa.
4.  Sport played by Shiloh
5.  Location of the NeuroExplorers’ last adventure
6.  Country in Africa where Shiloh went
7.  One of the NeuroExplorers
10.  An involuntary motor response
11.  Shiloh’s Dad slammed on the _______________.
15.  Plains where Shiloh’s adventure took place
17.  Dr. ______________
20.  Large African animal with horn
22.  Shiloh was face-____-face with peril.
23.  A jeep is made mostly of _______________.
25.  Three of these charged the jeep
27.  One who takes or kills animals illegally
28.  Striped African animal
29.  Heroine of this story
33.  Drumming NeuroExplorer
1. At the beginning of the story, *Trouble at Tsavo*, the NeuroExplorers watched a tennis game. From your memory, describe what they saw. Include as many details as you can.

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

2. What clues did Shiloh’s Dad use to identify the skulls he found in Africa?
3. Look at the picture on page 3 in Trouble at Tsavo. In your own words, describe this scene. 1) Tell where and when it took place. 2) Describe as many details as you can. 3) Describe how the characters were feeling at that moment, and why.
1. Read the Science Box on page 4. Fill in the circle next to the sentence that best expresses the main idea of that paragraph.

- When we move, muscles and the nervous system must work together.
- Signals for movement start in the brain or spinal cord.
- The messages are carried along special cells, called neurons, to the muscles.
- When the spinal cord or other parts of the nervous system are damaged, messages can’t get through.

2. Write one sentence that tells the main idea of the story, *Trouble at Tsavo.*
1. Kyle’s cousin, Sue, is interested in exotic animals and wants to go on an African safari some day. Pretend that you are Kyle. Write a letter to Sue, telling her about Shiloh’s adventures in Africa.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

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________________________________________________________________________

________________________________________________________________________

2. Explain briefly why Shiloh cannot move her legs. (Give the physical, or medical, explanation.)

________________________________________________________________________

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________________________________________________________________________
SEQUENCE OF EVENTS

1. Read the chapter called “A Spinal Cord Puzzle” on pages 11–13. Find the event listed below that happened last in that chapter. Mark 5 next to it. Then number the order (1–4) in which the other events happened.

- Shiloh explained the difference between paraplegia and quadriplegia.
- Shiloh Nimbus knew that she had found some great new friends.
- The NeuroExplorers used charts and models to review what they knew about the spinal cord and movement.
- Isley II interrupted Shiloh’s story of her adventures in Africa.
- The NeuroExplorers admitted their surprise at Shiloh’s ability to play tennis.

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

- Shiloh called the game warden for help against the angry poachers.
- Shiloh played an intense game of tennis.
- Shiloh and her father spotted three rhinos in the distance at a watering hole.
- Dr. Nimbus’ jeep went flying above a ravine, and Shiloh flew out.
- Shiloh stood on her seat in the jeep and used her binoculars to look for birds.
1. Name at least three different things that caused Shiloh to be badly injured.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

2. What is the effect of people’s willingness to pay a lot of money for black rhinos’ horns? Explain what first happens, and then tell the long-term effect.

________________________________________________________________________

________________________________________________________________________

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________________________________________________________________________
Fact or Opinion

Facts are true. Opinions sometimes are stated as facts, but they might not be true. Decide whether each of these statements related to the story is a fact or an opinion. Write F or O in each space.

______ Shiloh’s father loves the big animals in Kenya. (page 7)
______ The black rhinoceros is a majestic creature. (page 7)
______ Neurons should be able to heal, just like skin and bones do. (page 15)
______ Poachers could take rhinos’ horns and still let the rhinos live. (page 18)
______ Black rhinos are almost extinct. (page 18)
______ Shiloh and her father should go after the poachers. (page 19)
______ Reflexes happen so fast because they don’t involve the thinking part of the brain. (page 29)
1. Which of the following generalizations or conclusions can be made from the information in the story, *Trouble at Tsavo*? Fill in the circle next to each statement that you think is correct.

- Getting to know someone with a disability really opened the eyes of the NeuroExplorers and helped them to answer some “neuro-” questions.

- It is important to wear a seat belt when riding in a car or truck.

- Poachers don’t care about the results of their actions.

- The damage to Shiloh’s spinal cord was near her neck.

- Both the brain and the spinal cord are important for movement.

- Kenya should raise more black rhinos so that there will be enough of the medicine that comes from their horns.

- Shiloh is a talented story teller.

- Shiloh is very depressed about being in a wheelchair and doesn’t see any hope for herself.
2. Shiloh and her father plan to go back to Africa to start a new population of black rhinos in a safer place. Think of all the possible reasons the government might want to protect animals. Why would they want to keep animals from becoming extinct? What impact could the extinction of a particular animal have on people or other living things?
Think about what might happen after the end of this story. For instance, will Shiloh and her father return to Africa? What will happen there? Will Shiloh remain friends with the NeuroExplorers? Write your predictions.

OR

What do you think Shiloh’s life will be like? What will she do during the rest of her years in school? What successes or what problems will she have? What will she be when she grows up? Write about your predictions.
Painting Pictures with Words

Sometimes words are used in an unusual way to help us understand what is being described. For example, someone might say, “He was as happy as a child in a candy store.” This is called a simile (sɪm-ə-li). A simile is a figure of speech that uses the words “like” or “as” to compare two things that are unlike. However, the words paint a very clear picture for us.

Look at these word picture sentences from Trouble at Tsavo. Then see if you can write sentences of your own, using similes. You might describe a desert scene or charging beasts in Africa, or the action or feelings of a character, or whatever you like.

Sentences from Trouble at Tsavo

The sun was pushing down on her neck like a hot iron. (page 19)

Dr. Nimbus turned the wheel hard, ramming the vehicle through a patch of tall dried grass, the shoots cracking like brittle glass as the jeep tore through them. (page 24)

My Word Picture Sentences

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

My Picture

Draw one of the pictures you have just painted with words.