

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

PAGE **8** Cures From the Field**DIRECTIONS:** Use information in the article to help you defend or dispute the statements below. (Hint: Defend means to explain why a statement is correct. Dispute means to explain why a statement is incorrect.)

- Using a hyperbaric chamber is the best treatment for a sprained knee.
- Hypothermia may someday become a standard treatment for spinal cord injuries.
- Surgery is the only way to repair damaged tendons and ligaments.

PAGE **12** Disease Detectives**DIRECTIONS:** Match the words in the left column with the words or phrases in the right column.

- |                       |  |
|-----------------------|--|
| ___ 1. epidemiologist | a. worldwide outbreak                              |
| ___ 2. immunity       | b. proteins that target and kill an invading virus |
| ___ 3. pandemic       | c. basis for a new vaccine strain                  |
| ___ 4. seed strain    | d. person who studies the spread of disease        |
| ___ 5. antibodies     | e. protection against disease                      |

PAGE **16** Oyster Gardeners**DIRECTIONS:** Answer the following questions in complete sentences.

- What services do oysters provide for organisms in their ecosystem?
- What are three factors that contributed to the decrease in New York City's oyster population?
- When Drennan's class goes to monitor its oysters, what data do they record?
- Is it safe for people to eat the oysters that the class raises? Why or why not?

PAGE **20** Operation Origami**DIRECTIONS:** Circle the incorrect word or phrase in each item and write the correct word or phrase above it.

- Origami is the Australian process of folding squares of paper into various shapes.
- Scientists are studying the history of origami to solve technological challenges.
- To make a foldable lens for a space telescope, Lang suggested the makers use an origami pattern containing a variety of complex shapes.
- Doctors insert a stent into a patient's arteries to keep blood from flowing through.