

Name: _____

Date: _____

Reading “Icy Heat”

1. Read and annotate the “Icy Heat” article.
2. Choose and mark annotations to discuss with your partner. Once you have discussed these annotations, mark them as discussed.
3. Now, choose and mark a question or connection, either one you already discussed or a different one that you would like to discuss with the class.
4. Answer the reflection question below.

Rate how successful you were at using Active Reading skills by responding to the following statement:

As I read, I paid attention to my own understanding and recorded my thoughts and questions.

- Never
- Almost never
- Sometimes
- Frequently/often
- All the time

Active Reading Guidelines

1. Think carefully about what you read. Pay attention to your own understanding.
2. As you read, annotate the text to make a record of your thinking. Highlight challenging words and add notes to record questions and make connections to your own experience.
3. Examine all visual representations carefully. Consider how they go together with the text.
4. After you read, discuss what you have read with others to help you better understand the text.

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Second Read of “Icy Heat”

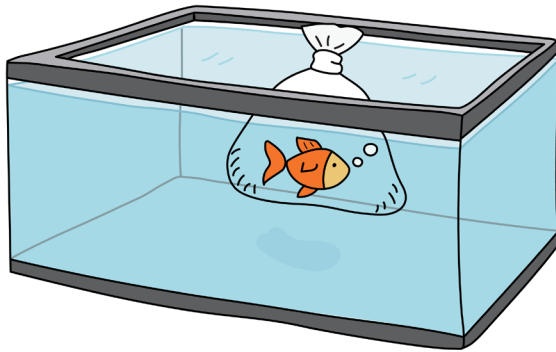
Part 1

Reread paragraph 5 of the article. As you read, highlight and annotate information that helps you understand the scientific meaning of the word *heat*. You will use that information to help you answer the question in Part 2.

Part 2

Read the following information. Use what you learned from “Icy Heat” to answer the questions.

Miguel bought a new fish for his fish tank. He brought the fish home in a plastic bag that was filled with water from the fish tank at the store. Before releasing the fish, he put the entire bag into his tank so the fish could get used to the temperature of the water in his tank at home.



Temperature of the water in his home tank: 21°C

Temperature of the water in the bag: 18°C

Miguel explains to his sister that heat is transferring from the water in the tank to the water in the bag. Miguel’s sister doesn’t believe him because the water in the tank doesn’t feel hot.

How is it possible that heat is transferring from the water in the tank to the water in the bag, even though the water in the tank doesn’t feel hot?
