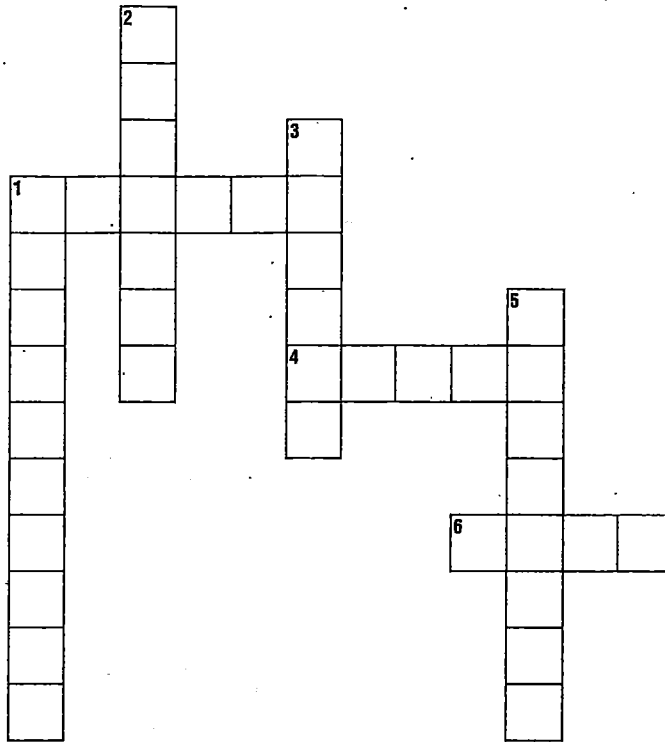



**Directed Reading for  
Content Mastery**
**Section 1 ■ What is science?**

**Directions:** Use the clues below to complete the crossword puzzle.


**Across**

1. A scientific \_\_\_\_\_ is a possible explanation for a pattern observed repeatedly in the natural world.
4. The study of Earth systems and the systems in space is called \_\_\_\_\_ science.
6. The study of living systems and the way they interact is called \_\_\_\_\_ science.

**Down**

1. The practical use of science; applied science
2. A way of learning more about the natural world
3. A collection of structures, cycles, and processes that relate to and interact with one another
5. The study of matter and energy is \_\_\_\_\_ science.

**SECTION**  
**1****Reinforcement****What is science?**

**Directions:** Answer the following questions on the lines provided.

1. What is the difference between science and technology?

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2. Technology often is used to do things that people cannot do. List three types of activities that scientists might use technology for.

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

3. Give examples of professions in each of the three branches of science discussed in the chapter.

a. life science \_\_\_\_\_

b. Earth science \_\_\_\_\_

c. physical science \_\_\_\_\_

**Directions:** Answer the following questions using complete sentences.

4. What kind of questions can science answer? What kind of questions can't science answer?

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5. How does an observation become a scientific law? Give an example.

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

# Bell Ringers

## Motivation Monday

Use one of the sentence starters below to respond to the motivational quote.

What this means to me is...

This is relevant to my life because...

The big idea is...

I experienced this once when...

This reminds me of...

## TRY IT TUESDAY

Rewrite the sentence(s) and correct the mistakes.

wor day  
wednesday

My Definition:

Illustration:

Word:

Antonyms:

Synonyms:

# Think About it Thursday

Write a thoughtful response to the scenario. Be sure to write in complete sentences!

## FRIYAY!

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

Skill or Standard for focus / Objective: **RI.1.1 and RL.1.1**  
**I can cite evidence from the text to support my analysis of what the text says both explicitly and from inferences that I make.**

To **cite evidence** means to tell where in the text you for information to help you analyze the text.

To **support** something means to help it.

To **analyze** something means to look at it closely in order to better understand it.

\_\_\_\_\_  
\_\_\_\_\_  
**Providing a complete analysis using the RACES Strategy:**  
**Follow these steps:**  
**R – RESTATE** the question  
**A – ANSWER** the question  
**C – CITE** evidence to support your answer  
**E – ELABORATE** or **EXPLAIN**  
**S – SUMMARISE** your response

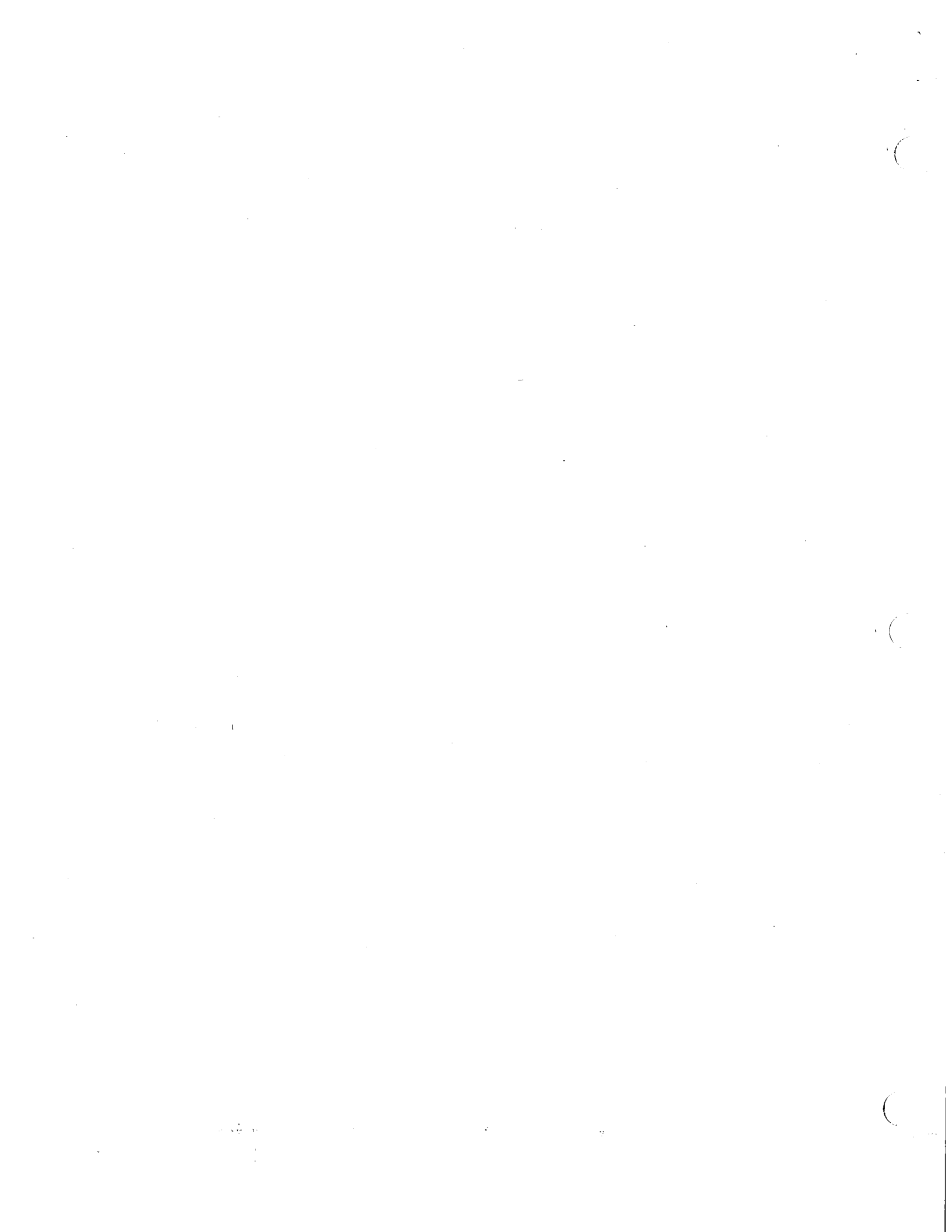
\_\_\_\_\_  
**You must ALWAYS cite the text when you provide a response to a text-based question!**

\_\_\_\_\_  
**Citing the text gives your analysis **credibility**. This means that your response is reliable!**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Summary:**

**Citing evidence** from the text is important because it supports my analysis of the text and gives my response credibility. I can use the **RACES Strategy** to provide a complete analysis or when responding to text-based questions.



# RACES

## RACES

**R** Restate the question.

**A** Answer the question.

**C** Cite text evidence.

**E** Explain the evidence.

**S** Summarize your information

1. Begin your response by changing the question into a statement

2. Answer all of the parts of the question in complete sentences.

3. Search the text to find details and examples that support your answer.

4. Explain how this evidence supports your answer.

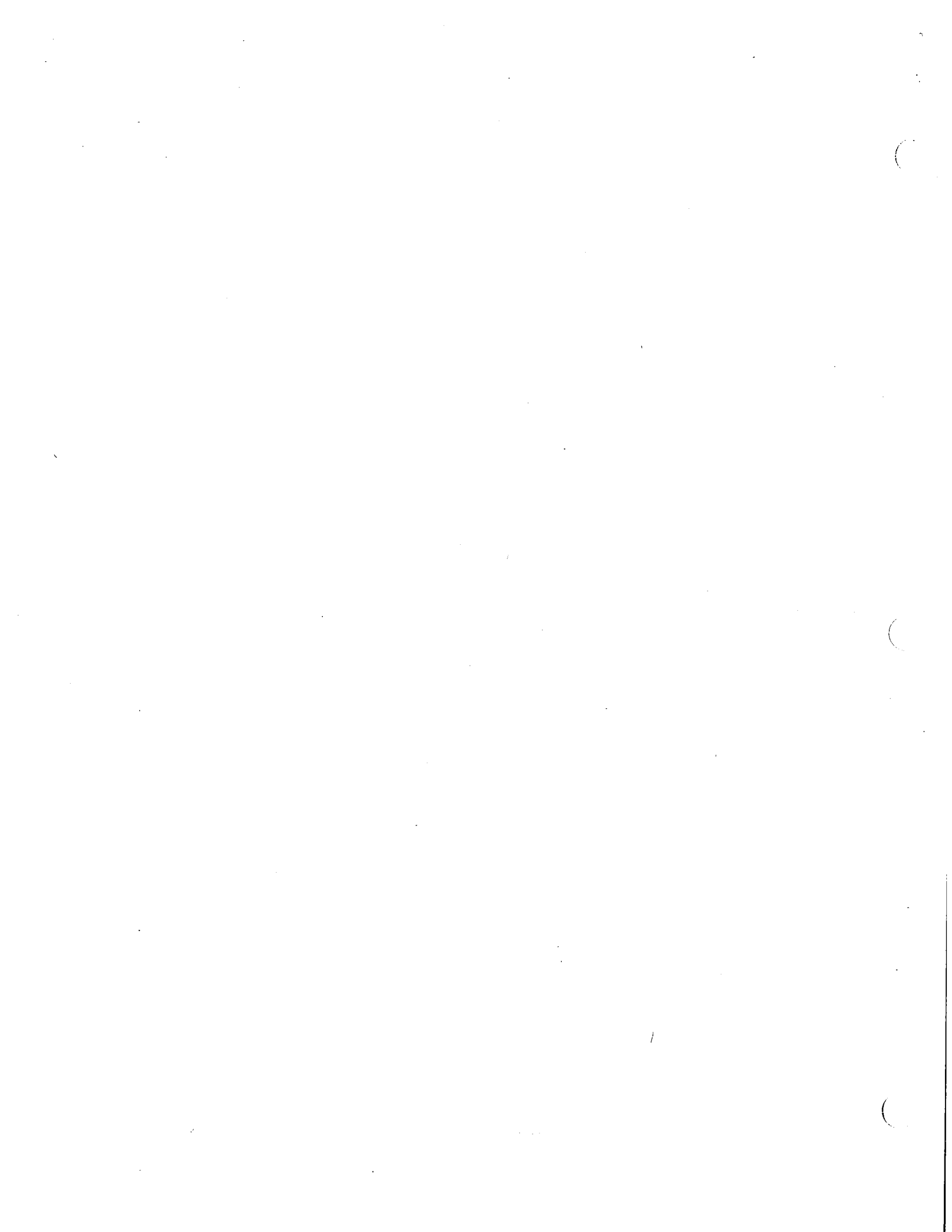
5. Summarize your information. Restate the question with your conclusion.

When do we use the RACES format?

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# RACES

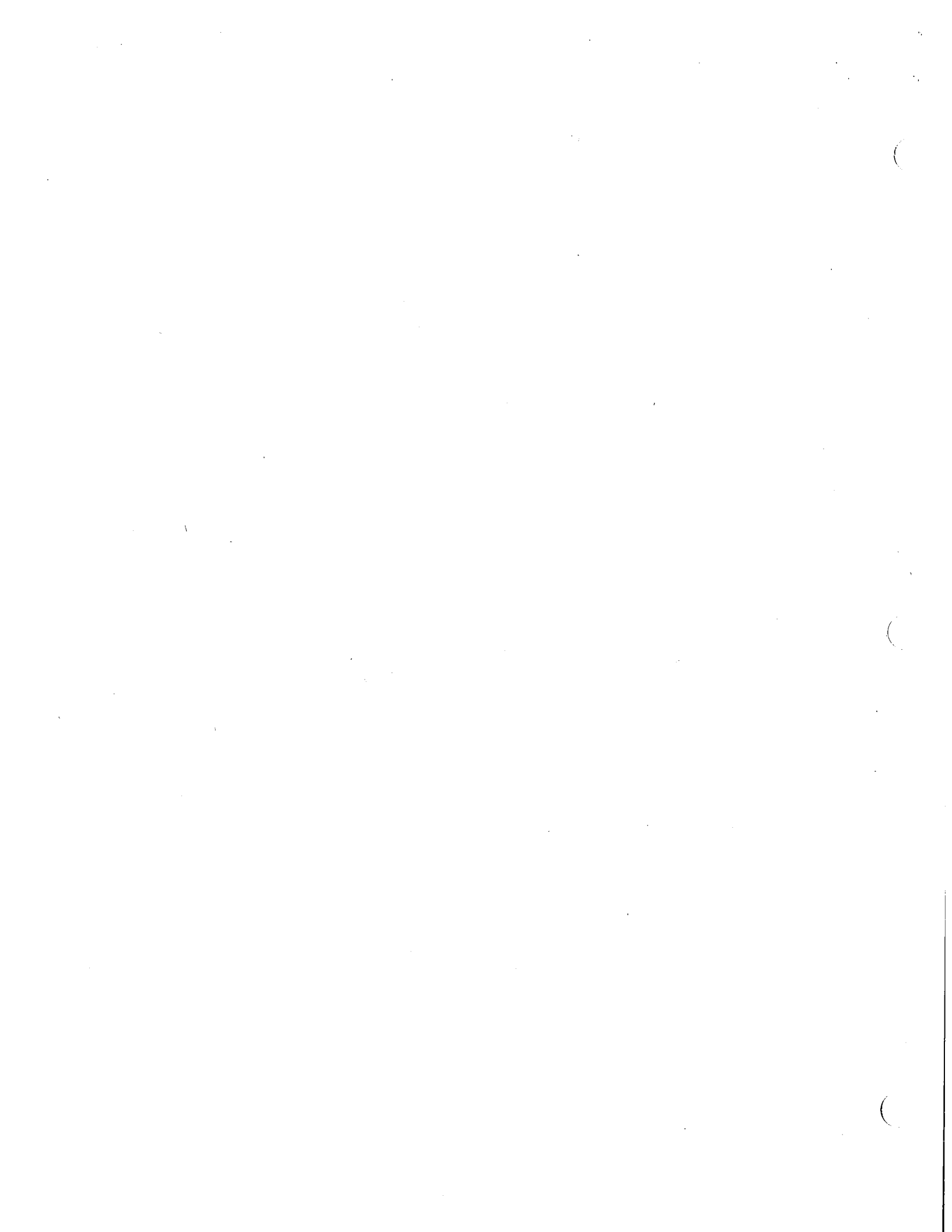
## Sentence Starters for RACES:

Restate/Answer → Based on what I read,

Cite Text Evidence → I know this because the text says, " ."

Explain the Evidence → This supports my answer because

Summarize your Information → In conclusion,



## The Cobra

"Would you slow down?" panted Gina, who was struggling to keep up with her younger brother.

Austin ignored his sister. He was on a mission to reach the amusement park's most thrilling roller coaster before the line got too long.

"Are you *sure* you want to ride The Cobra? I rode it when I was your age, and I vowed never to ride it again," said Gina.

"Yep! I've been waiting my whole life for this!" answered Austin.

Gina rolled her eyes. "Don't say I didn't warn you."

"I still remember last year when I stood in line for over an hour, and then when I finally reached the front of the line, the man wouldn't let me ride," recalled Austin.

"I *told* you that standing on your tiptoes wouldn't work, but you *insisted* on trying it," said Gina.

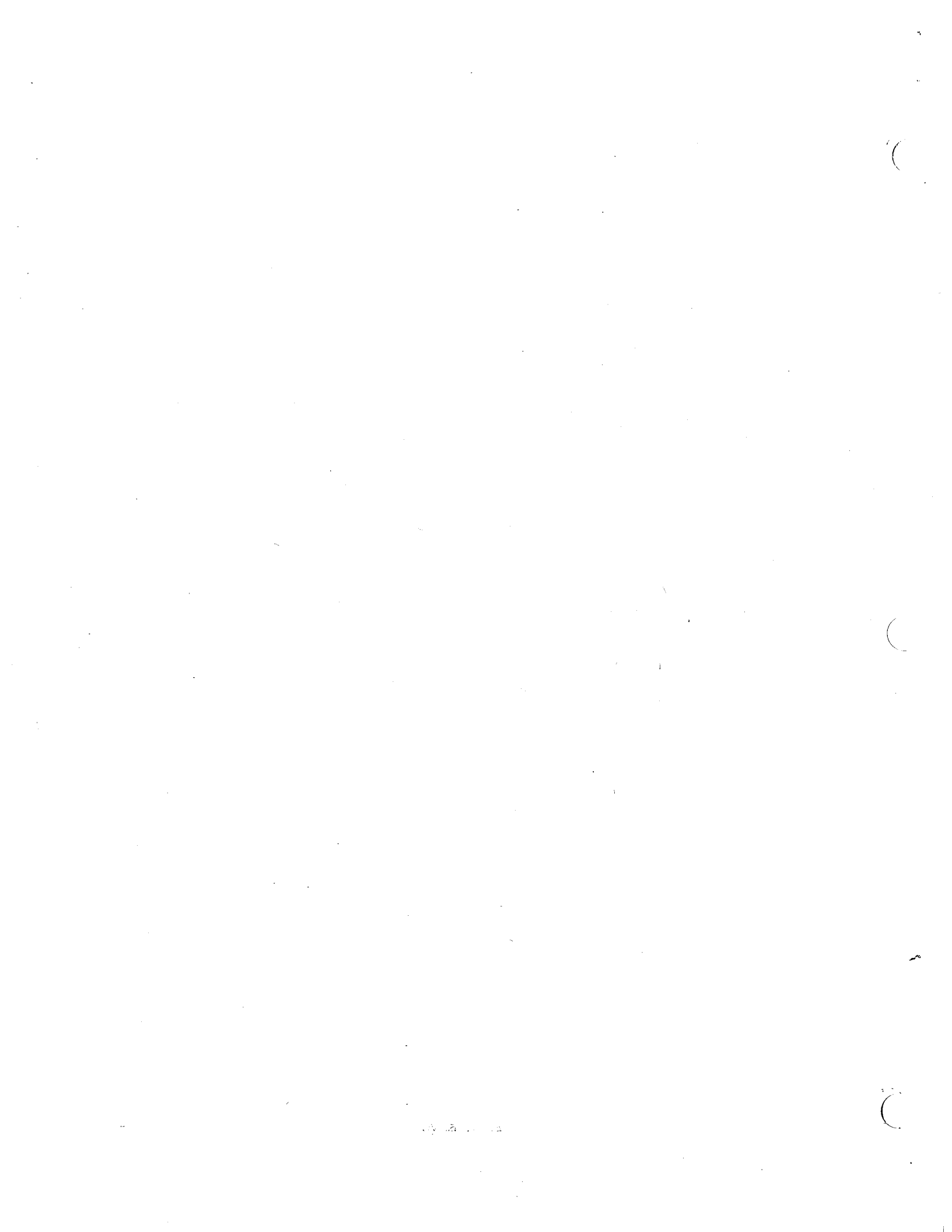
Austin stopped. "Here's the entrance. Are you coming with me or not?"

"No way! I'll wait for you here. Good luck- you're going to need it by the time Cobra gets done with you!" teased Gina.

1. In this passage, what is The Cobra? Cite your evidence!

2. Why wasn't Austin allowed to ride The Cobra last year? Cite your evidence!

3. How does Austin feel about riding The Cobra? Cite your evidence!



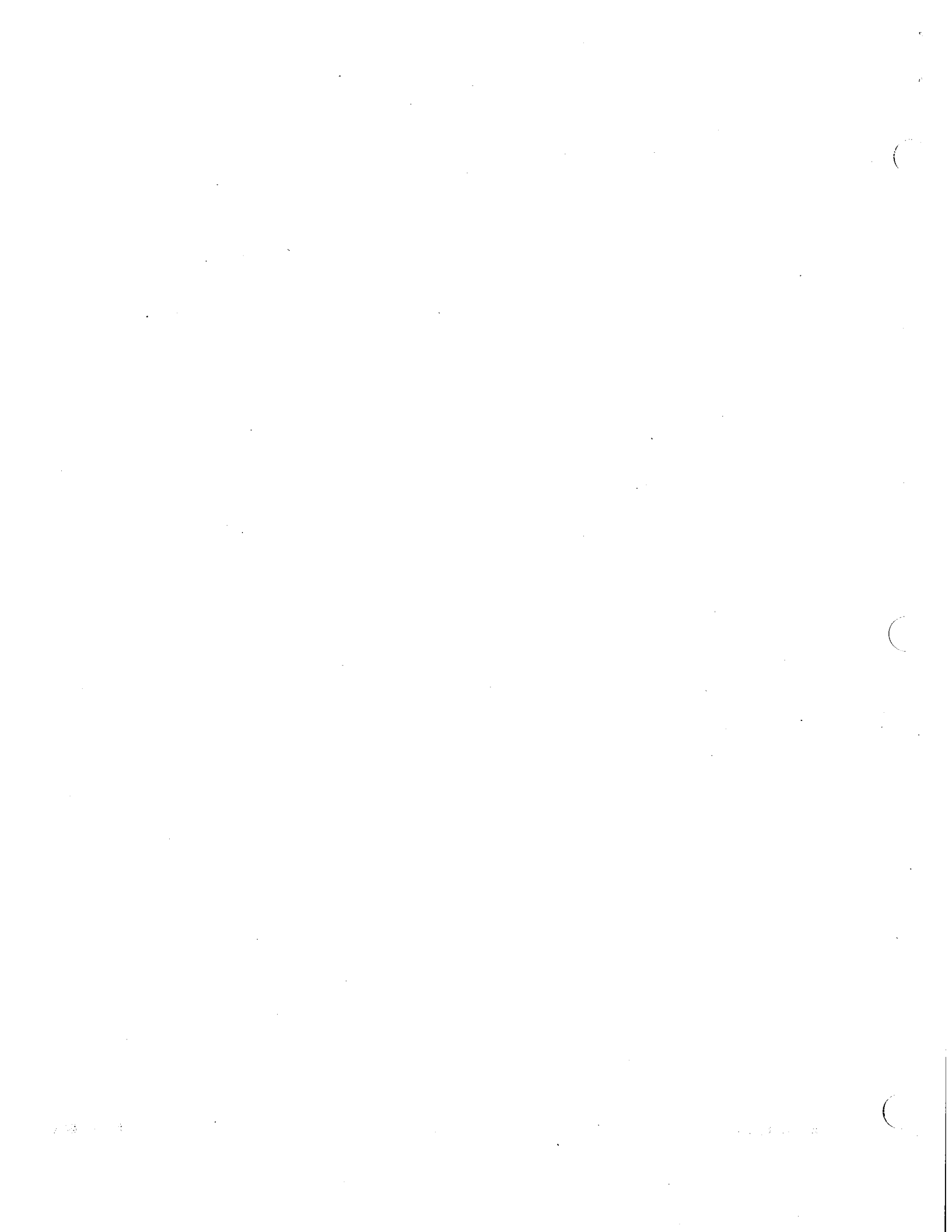
Name: \_\_\_\_\_

Write your RACES response below.

"The Cobra" EXAMPLE

Based on what I read, The Cobra is a roller coaster. I know this because the text says, "He was on a mission to reach the amusement park's most thrilling roller coaster."

This supports my answer, because Austin is trying to ride the roller coaster known as The Cobra. In conclusion, The Cobra is a roller coaster.



Name \_\_\_\_\_

### Divisibility Rules Study Guide

Write the divisibility rule for each factor:

2 – \_\_\_\_\_

3 – \_\_\_\_\_

4 – \_\_\_\_\_

5 – \_\_\_\_\_

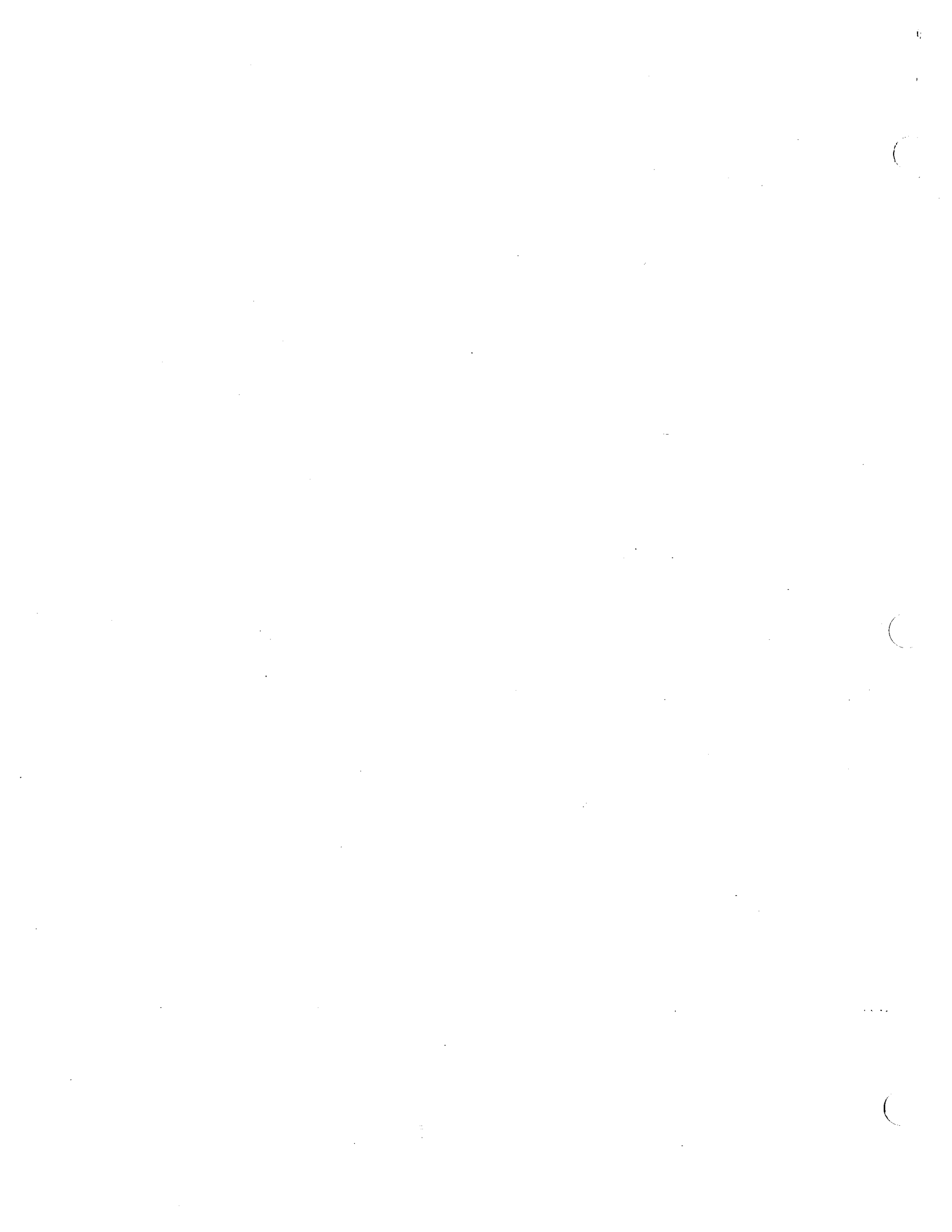
6 – \_\_\_\_\_

9 – \_\_\_\_\_

10 – \_\_\_\_\_

Practice the rules by dividing the numbers below by each factor shown. Place a ✓ in the box if it is a factor of the number.

| Number | 2 | 3 | 4 | 5 | 6 | 9 | 10 |
|--------|---|---|---|---|---|---|----|
| 30     |   |   |   |   |   |   |    |
| 321    |   |   |   |   |   |   |    |
| 400    |   |   |   |   |   |   |    |
| 5,508  |   |   |   |   |   |   |    |





Name \_\_\_\_\_

Date \_\_\_\_\_

# Divisibility Rules!

1. Is 5,673 divisible by 3 or 9? Why or why not?

Circle ALL the numbers that are factors of the given number.  
Complete any necessary work in the space provided.

2. Is 4,560 divisible by

2

3

9

10

Explain your reasoning for your choices.

3. Is 108,756 divisible by

2

3

5

6

9

Explain your reasoning for your choices.

4. Circle all the factors of 453,738 from the list below.

2 3 4 5 6 8 9 10

5. Circle all the factors of 362,120 from the list below.

2 3 4 5 6 8 9 10

6. Circle all the factors of 3,240 from the list below.

2 3 4 5 6 8 9 10

7. Circle all the factors of 12,360 from the list below.

2 3 4 5 6 8 9 10

8. Circle all the factors of 121,000,254 from the list below.

2 3 4 5 6 8 9 10

9. Write a 3 digit number that is divisible by 3 and 5. Explain how you know this number is divisible by 3 and 5.

10. Write a 4 digit number that is divisible by both 5 and 9. Explain how you know this number is divisible by 5 and 9.