Citing Evidence in Informational Text

Name: _____	Date: _____	Score: _____ / 10

Quick Review

Informational evidence should prove a claim precisely. Prefer data, causal language, and exact statements over details that are merely related.

PART 1 — READ

Read the passage. Then answer the questions.

How Satellites Track Wildfires

When a wildfire begins in a remote forest, ground crews may not see it immediately. Satellites help close that gap by scanning wide areas for heat signatures that differ from the surrounding land.

Infrared sensors can detect unusually warm spots even through some smoke. Computers compare new images with earlier images of the same location, helping analysts decide whether a bright signal is a fire, a factory, or sun-warmed rock.

The information does not replace firefighters or local observers. Instead, it gives them a faster map of where danger may be growing, especially at night or in hard-to-reach terrain.

As climate change lengthens fire seasons, agencies increasingly combine satellite data, weather forecasts, and reports from people on the ground to decide where to send crews first.

PART 2 — PRACTICE

Use the passage to answer each question. Choose the best answer and support short responses with evidence.

1. Which sentence from the passage BEST supports the inference that Satellite data helps emergency teams respond faster to fires they might not see from the ground.?

A. Ground crews may not see it immediately.

B. Instead, it gives them a faster map of where danger may be growing, especially at night or in hard-to-reach terrain.

C. Infrared sensors can detect warm spots.

D. Climate change lengthens fire seasons.

2. Which statement BEST expresses the central idea or theme of the passage?

   A. Satellites improve wildfire response by detecting heat, comparing images, and helping agencies prioritize crews.

   B. Satellites have completely replaced firefighters.

   C. Factories are the main cause of wildfires.

   D. Wildfire seasons are shorter than they once were.

3. What does the word 'signatures' most nearly mean as it is used in the passage?

   A. written names

   B. legal approvals

   C. distinctive signs or patterns

   D. loud warnings

4. How does the structure or key detail identified in the passage contribute to meaning?

   A. It lists events from oldest to newest.

   B. It compares two fictional firefighters.

   C. It argues that satellites create fires.

   D. The passage first explains the problem, then describes the technology and its limits.

5. Which conclusion is BEST supported by the whole passage?

   A. The author thinks local reports are worthless.

   B. The author views satellite tracking as useful but not sufficient by itself.

   C. The author wants agencies to ignore weather.

   D. The author believes sensors work only in daylight.

6. Which choice is the BEST objective summary of the passage?

   A. The passage explains how satellite heat data, image comparison, and local reports work together to help agencies respond to wildfires.

   B. The passage tells the history of one famous wildfire.

   C. The passage argues that all forests should be closed.

   D. The passage describes how factories use infrared cameras.

7. Which answer should be rejected because it goes beyond what the passage supports?

   A. Satellites improve wildfire response by detecting heat, comparing images, and helping agencies prioritize crews.

   B. The author views satellite tracking as useful but not sufficient by itself.

   C. Satellites have completely replaced firefighters.

   D. The passage first explains the problem, then describes the technology and its limits.

8. Which detail would be MOST useful to quote in a written response about the passage?

A. Ground crews may not see it immediately.

B. Infrared sensors can detect warm spots.

C. Climate change lengthens fire seasons.

D. Instead, it gives them a faster map of where danger may be growing, especially at night or in hard-to-reach terrain.

9. In 2-3 sentences, explain how one quoted detail supports the idea that Satellite data helps emergency teams respond faster to fires they might not see from the ground..

_____

_____

10. Write a one-sentence analysis of the passage's message or main idea. Then name one detail that supports it.

_____

_____

Answer Keys

1	A	**B**	C	D	6	**A**	B	C	D
2	**A**	B	C	D	7	A	B	**C**	D
3	A	B	**C**	D	8	A	B	C	**D**
4	A	B	C	**D**	9	See below			
5	A	**B**	C	D	10	See below			

Explanations

1. B	The correct evidence directly proves the stated inference rather than merely mentioning the same topic.
2. A	The correct answer covers the whole passage, while the distractors are too narrow, too extreme, or unsupported.
3. C	The context around the word points to this meaning in this passage.
4. D	The correct answer explains the role the detail plays in the development of the text.
5. B	The correct conclusion follows from multiple details, not from a single isolated word.
6. A	A strong summary includes the main conflict or idea and the outcome without personal opinion.
7. C	This choice overstates or invents an idea that the passage does not prove.
8. D	This detail is specific enough to support analysis in a written response.
9.	**Answer:** A strong response quotes or closely paraphrases: Instead, it gives them a faster map of where danger may be growing, especially at night or in hard-to-reach terrain. Then it explains how that detail proves the inference instead of only repeating it. Use exact wording from the text or task, then explain your reasoning.
10.	**Answer:** A strong response states: Satellites improve wildfire response by detecting heat, comparing images, and helping agencies prioritize crews. It supports the statement with a precise detail such as: Instead, it gives them a faster map of where danger may be growing, especially at night or in hard-to-reach terrain. Use exact wording from the text or task, then explain your reasoning.

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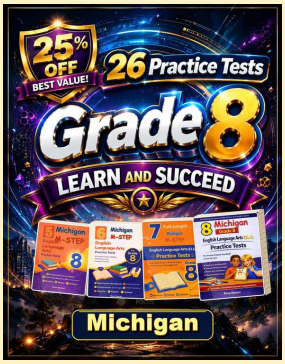

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