



Name: _____ Date: _____

Find the Evidence

Directions: Read each question below carefully. Some will ask you to select text evidence—or details in the story—to support a statement. Others will ask you to respond in your own words, supporting your ideas with text evidence.

- 1. The people of Chelyabinsk are lucky the damage from the space rock wasn't worse. Circle the letter of the piece of text evidence that best supports this:**
 - a. "But the 1.1 million residents of this busy city are in for a very unusual day."
 - b. "Others pull their cars over, alarmed."
 - c. "Some people run outside or go to the windows for a better look."
 - d. "And fortunately, no one in Chelyabinsk was killed. Most of the injuries were minor."
- 2. In your own words, explain how people reacted when a German physicist said that meteorites come from outer space. Use details from the text.**

- 3. Circle the letter of the piece of text evidence that best describes why an asteroid larger than a mile across hitting Earth would be a catastrophe:**
 - a. "This rock has been circling close to Earth for thousands of years."
 - b. "Especially large and bright meteors, like the one in Chelyabinsk, are called fireballs."
 - c. "Scientists believe dust clouds from the explosion blocked out the sun—perhaps for months—causing plants and animals to die."
 - d. "These events are extremely rare; few of today's scientists ever imagined they would live to see anything like it."
- 4. Explain in your own words what happened during the Tunguska event.**



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- 5. Circle the letter of the piece of text evidence that describes why it took scientists so long to figure out what happened in Tunguska.**
- a. "Suddenly, the sky lit up, and a shock wave knocked him to the ground."
 - b. "Tunguska is a faraway region of the Siberian wilderness."
 - c. "The mystery inspired bizarre theories—a UFO explosion, a science experiment gone wrong, a black hole passing through the planet."
 - d. "In fact, what happened in Tunguska was just like what happened in Chelyabinsk, except the Tunguska meteor was much larger and much closer to the ground."

6. In your own words, explain what the B612 Foundation is.

- 7. Which of the following shows that scientists have looked at many options for dealing with space rocks?:**
- a. "NASA, America's space research agency, uses powerful telescopes to scan the sky for asteroids, meteoroids, and comets."
 - b. "B612 is working to create a high-tech digital map of all the asteroids in our solar system that are close to Earth."
 - c. "Scientists have explored many different ideas, from shooting the asteroid with lasers to blasting it apart with a bomb."
 - d. "And so according to B612, there's no reason to panic. Asteroids are just part of the universe."
- 8. Using text evidence, explain the damage a space rock could cause if it hit Earth. Then explain what scientists are doing to stop such an event from happening.**
