

Name _____

Signal From Stone Answer Key

1. **Analyze** means to closely examine something in detail to understand it better.
2. **Significant** means important because the discovery changed previous ideas about Earth's atmosphere.
3. A **hypothesis** is a testable idea or explanation that scientists investigate using research.
4. The author explains that evidence is gathered from multiple locations to support the hypothesis.
5. To **interpret** results carefully means to explain what the data shows without letting personal opinions influence conclusions.
6. **Evaluate** means to judge or reconsider information based on new findings and evidence.

Teacher's Guide

- **Using this worksheet**
 - Read the passage aloud once, then allow students to reread independently.
 - Remind students to look at how each vocabulary word functions within the sentence.
- **Differentiation**
 - Support: Provide a short definition list and let students match words before answering questions.
 - Challenge: Ask students to replace one vocabulary word with a synonym and explain if the meaning changes.
- **Engagement**
 - Have students highlight or underline context clues that helped them answer each question.
 - Use pair discussions to compare interpretations of one vocabulary term.