

Earth Changes Speed

Use evidence from three sources to compare Earth events.

2-ESS1-1 "Use information from several sources to provide evidence that Earth events can occur quickly or slowly. Clarification Statement: Examples of events and timescales could include volcanic explosions and earthquakes..."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Circle each source label. Underline the words that tell whether the Earth event happens quickly or slowly, because those words are evidence.

Three Sources, Three Changes

- ① Source 1 is a newspaper report about an earthquake. It says the ground shook one morning. Dishes rattled, and people went outside. The shaking lasted only a short time. This report shows that an earthquake can happen quickly.
- ② Source 2 is a science book page about a volcano. It explains that melted rock and gas can burst from a volcano. Ash may rise into the air. A volcanic explosion can begin quickly, so it is another fast Earth event.
- ③ Source 3 is a park guide about a rocky cliff. It says wind, rain, and moving water can wear tiny bits of rock away. This is erosion. The cliff changes little by little over many years, so erosion happens slowly.

2 ANSWER WITH EVIDENCE Use the passage

- 1 Which source gives evidence that an earthquake can happen quickly? Write one detail from that source.

- 2 How are the events in Source 2 and Source 3 different?

- 3 What claim can you make by using Sources 1 and 2 together? Give one detail from each source as evidence.

3 YOUR TURN Your own words

Write a two-sentence evidence report using all three sources. In the first sentence, tell what Sources 1 and 2 show about fast Earth events. In the second sentence, use Source 3 to explain how erosion is different.

PART 1 • READ AND MARK

Circle each source label. Underline the words that tell whether the Earth event happens quickly or slowly, because those words are evidence. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Which source gives evidence that an earthquake can happen quickly? Write one detail from that source.	Source 1. It says the shaking lasted only a short time.
2	How are the events in Source 2 and Source 3 different?	A volcanic explosion in Source 2 can happen quickly. Erosion in Source 3 happens slowly over many years.
3	What claim can you make by using Sources 1 and 2 together? Give one detail from each source as evidence.	Earth events can happen quickly. Source 1 says an earthquake shook for only a short time, and Source 2 says a volcanic explosion can begin quickly.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Sources 1 and 2 show that earthquakes and volcanic explosions can happen quickly. Source 3 shows that erosion is different because wind, rain, and moving water wear rock away little by little over many years.

Accept claims that correctly use evidence from the named sources. For the open task, students should identify earthquakes and volcanic explosions as quick events and erosion as a slow event with passage details.