

Name _____

Can One Tiny Atom Help Us Unlock the Secrets of Earth's History?

Open-Ended Response Answer Key

1. Because atoms are so small, it's surprising they can tell us big things like how old the Earth is.
2. It can show us when big events happened, like volcanoes or ice ages.
3. We wouldn't know the age of fossils or rocks, so we'd know less about Earth's history.
4. I'd want to date a fossil or meteorite to learn how old it is and what time it came from.

