

The Thirsty Archeologist

An archeologist was digging in a Paleozoic mudflat. She came across an imprint of a raindrop that fell 400 million years ago. The sun was hot, and she took a drink from her canteen.

How many molecules of the original Paleozoic raindrop did she drink?

You have 15 minutes to answer this question. Write down your assumptions, choices, and decisions. (No justifications are needed.)