

Activity

# Vocabulary Activity

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## Time Travel Journal

After you finish reading the chapter, give this worksheet a try!

Rocky and Rudolph are imaginary travelers through time and space. They keep a journal of their trips, but they usually forget to take an Earth Science dictionary with them, so they leave some words blank. Read about their latest adventures, and fill in the blank spaces with the vocabulary words listed on the next page.

### DAY ONE

The \_\_\_\_\_ today is so hot and humid where we live that we have decided to go back in time 1.65 million years, to the beginning of the most recent \_\_\_\_\_. During this glacial period, enormous sheets of ice advanced across the continents toward the equator. The Earth's \_\_\_\_\_ was much colder than it is now, so we should be guaranteed some cool temperatures.

### DAY TWO

Today we're going to tour each \_\_\_\_\_ of the Earth: large regions that are characterized by specific climates, plants, and animals.

First we'll go to the equator, which is at  $0^{\circ}$  \_\_\_\_\_. The equator is in the \_\_\_\_\_ which is located from about  $23.5^{\circ}$  north latitude to  $23.5^{\circ}$  south latitude. This zone has the highest average temperatures on Earth, so we might visit a mountain while we're there. After all, temperature decreases as \_\_\_\_\_ increases. And who knows?

We may find a \_\_\_\_\_ on the mountain, characteristics different from those found in the areas around the mountain.

Then we'll visit the \_\_\_\_\_, which has the coldest average temperatures on Earth. This might be a lot like our trip back in time to see the glaciers!

Last but not least, we'll visit the \_\_\_\_\_, which has moderate temperatures. We plan to visit the forests in this zone. Rocky wants to see evergreen trees, which keep their leaves all year long, and I want to see deciduous trees, which lose their leaves during the winter.

**Vocabulary Activity** *continued*

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**DAY THREE**

This trip will be into the future to see the effects of \_\_\_\_\_ on the Earth. We might see shrunken coastlines and crop failures in the Midwest. Scientists think that this rise in global temperatures is caused by the \_\_\_\_\_ in which gases such as carbon dioxide heat up the Earth's atmosphere.

Rocky wants to take the sailboat out for a spin. We will try to hit a region where the \_\_\_\_\_ blow in the same direction that the ocean's \_\_\_\_\_ moves so that we can sail at maximum speed. I just want to be sure that we don't forget the sunscreen!

**Vocabulary Words**

- biome
- temperate zone
- global warming
- climate
- elevation
- surface current
- polar zone
- greenhouse effect
- latitude
- weather
- prevailing winds
- ice age
- microclimate
- tropical zone