

How Does the Atmosphere Affect the Environment?



Name: _____

Date: _____

Class: _____

1. Write correct or incorrect in the boxes below the images.

Two friends are discussing what weather means.
Who's comments about weather are correct?



Weather is the average temperature and precipitation over a long period of time.



Weather is what is happening in the atmosphere at a specific place and time.

2. Drag and drop the names of Earth's systems below the correct descriptions.

How do Earth's systems interact with the atmosphere to affect climate?

Description	Areas with higher elevations, like mountains, have cooler climates	Areas closer to large bodies of water have milder climates	Human actions pollute the atmosphere and cause climates to change over time
Earth System			

hydrosphere

biosphere

geosphere



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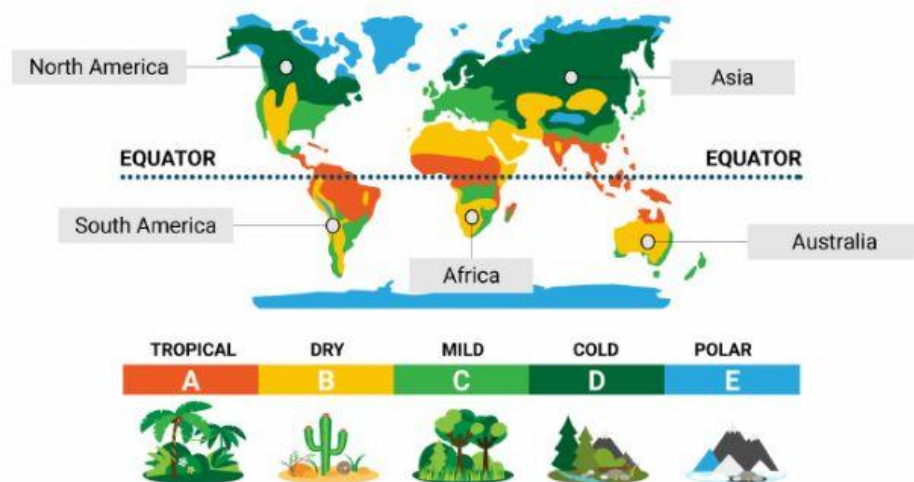
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3. Circle the correct choice from the options below.

Look at the distance of each continent from the equator on the map.
Which continent most likely has the warmest climate?



a.	North America	b.	Asia
c.	Africa	d.	Australia



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4. Match each term to the correct definition. Write the letter of the correct definition next to its term.

Term	Definition
_____ air mass	a. the place where air masses meet
_____ climate	b. a powerful disturbance that forms in the atmosphere
_____ front	c. what is happening in the atmosphere at a given place and time
_____ storm	d. a large body of air with about the same temperature and humidity throughout
_____ weather	e. the average weather patterns in an area over a long period of time

