

GEOGRAPHY: BIOMES

Purpose

Learning how to read and analyze graphs will help you understand how climate and the environment impact life on Earth.

Key information

- *Climate* is the long-term weather pattern in a region.
- Geographers use a special kind of tool called a *climograph* to visualize the climate in a particular location.
- A *climograph* shows the two most-important measurements that determine climate: air temperature and precipitation.
- Climate has a wide range of effects on human, animal, and plant life. When a large area of Earth has a similar climate, vegetation, and animal life, we call it a *biome*.

Process

1. Use the climographs on pages 4–10 ([download](#) them or [view](#) them) to complete the tables below. The first climograph you'll review is for Cairo, Egypt. Use the information from the Cairo climograph to complete the table below.

Question	Response
What do the black bars on the graph represent?	
What do the blue dots and lines represent?	
Which months get the highest levels of precipitation?	
Which months get the lowest levels of precipitation?	
Which months have the highest temperatures?	
Which months have the lowest temperatures?	

GEOGRAPHY: BIOMES

Which type of climate does Cairo experience? Circle one:

Tropical—Hot and humid all year.

Dry—Very little precipitation.

Temperate—Warm summers with rain and mild winters.

Continental—Warm summers and very cold winters.

Polar—Extreme cold all year.

2. Choose two mystery climographs in the image carousel to analyze (there are four total), and then answer the questions for each of your chosen climographs.

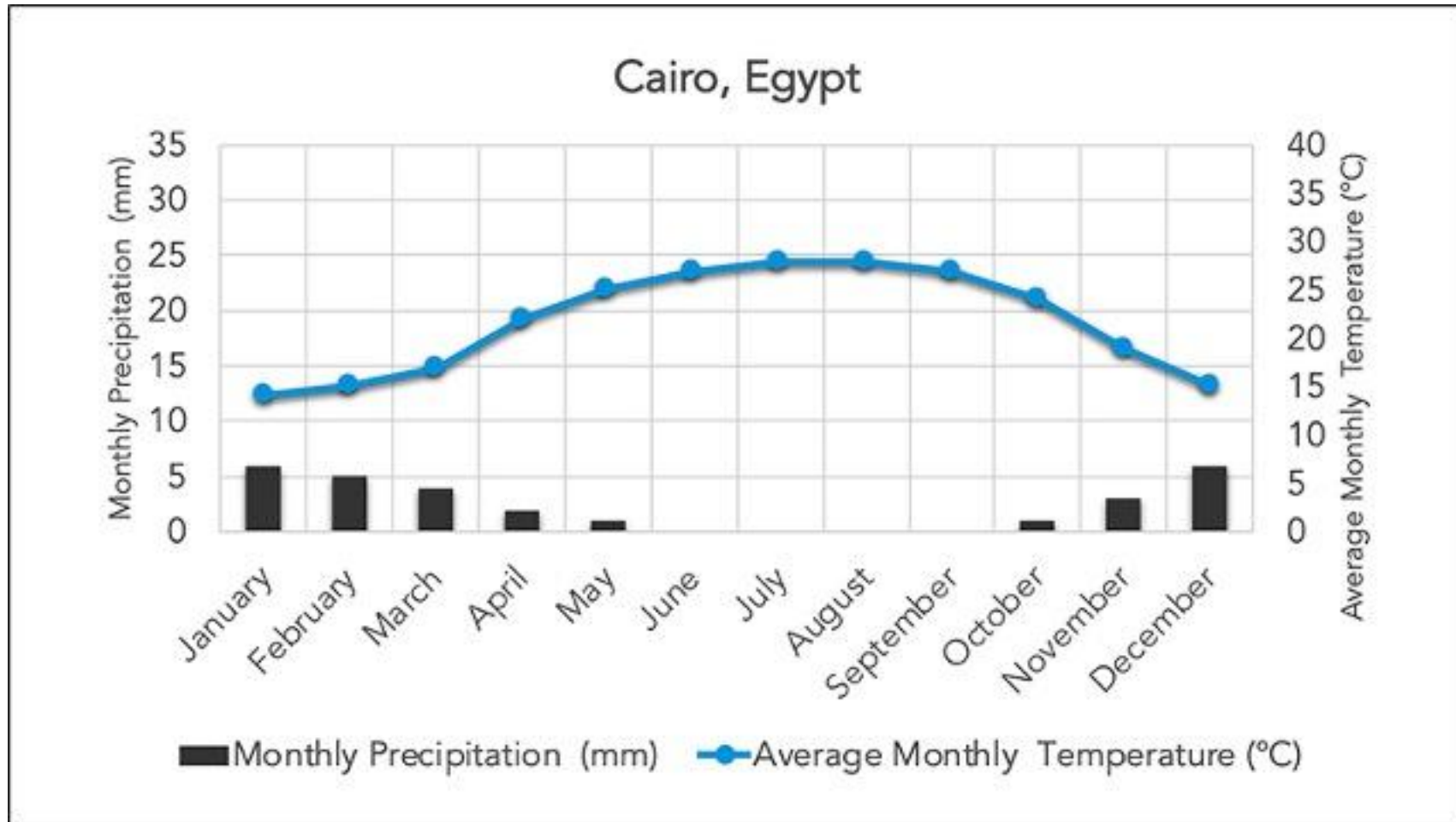
Mystery Climograph # _____	
What type of climate does this location have?	<i>Circle one:</i> Tropical Dry Temperate Continental Polar
Look at the world map on page 10 or the last page of the Climographs image carousel. Which location do you think is represented by this climograph?	<i>Circle one:</i> A B C D
Why does this graph fit this biome?	

GEOGRAPHY: BIOMES

Mystery Climograph # _____	
What type of climate does this location have?	<i>Circle one:</i> Tropical Dry Temperate Continental Polar
Look at the world map on page 10 or the last page of the Climographs image carousel. Which location do you think is represented by this climograph?	<i>Circle one:</i> A B C D
Why does this graph fit this biome?	

GEOGRAPHY: BIOMES

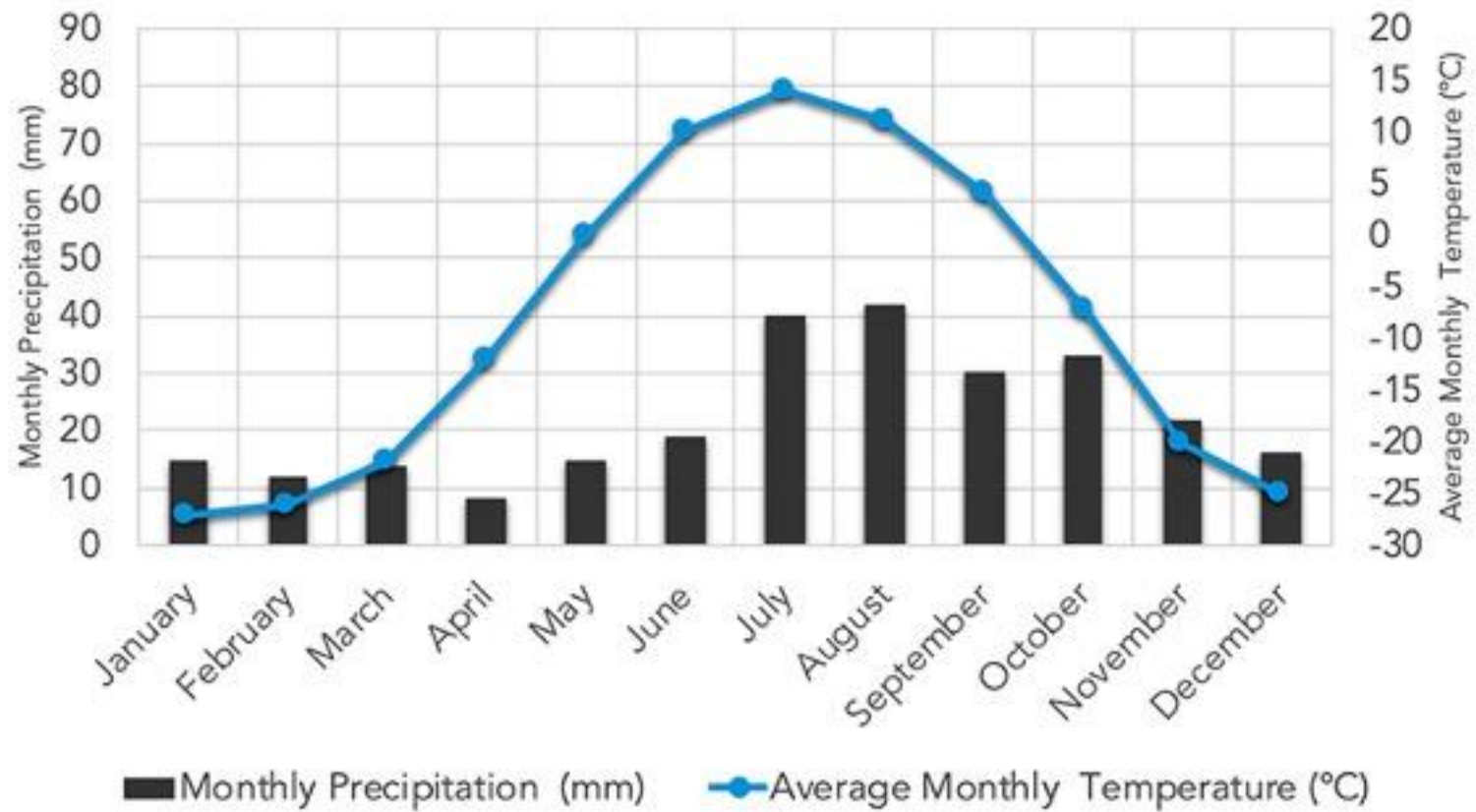
Cairo (Egypt) Climograph



Climate diagrams by MAPresso <https://climate.mapresso.com/?lat=29.879&lon=31.333>

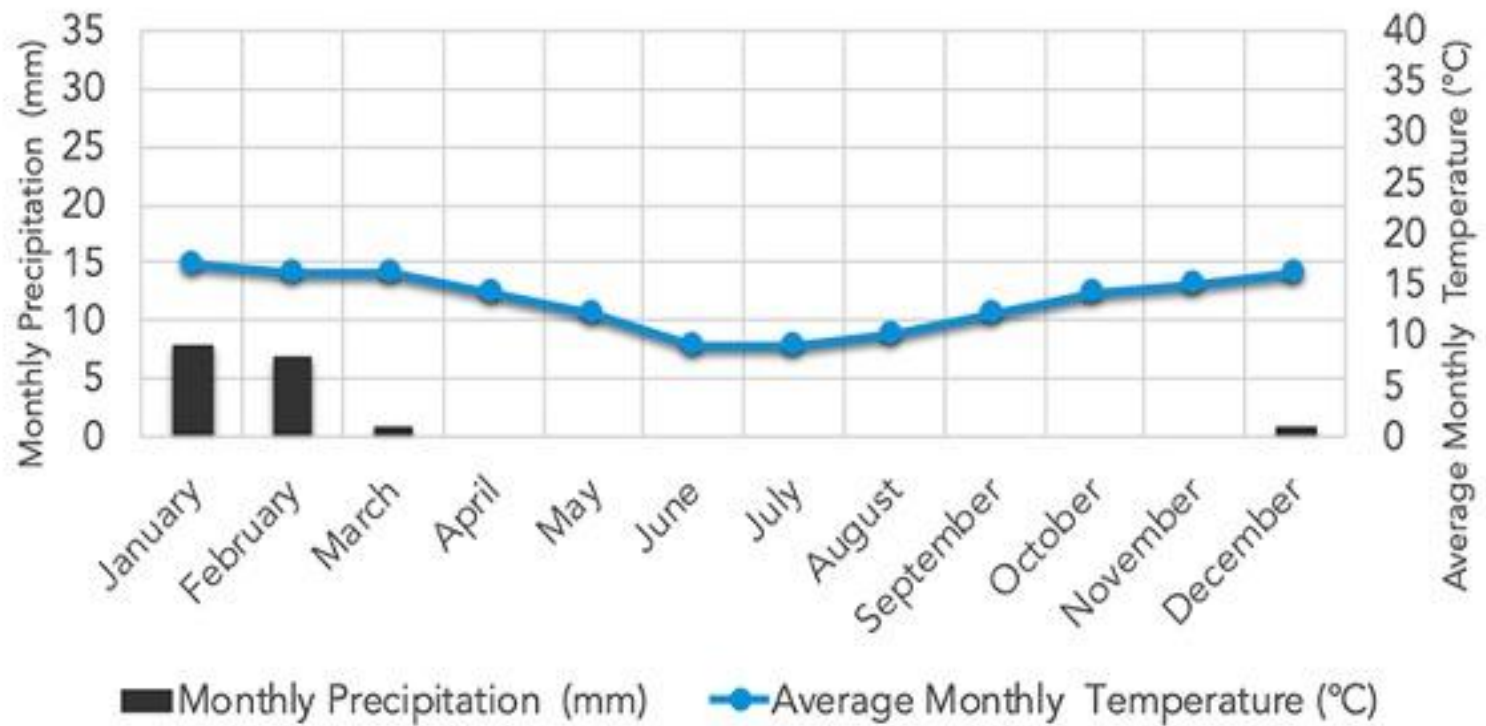
GEOGRAPHY: BIOMES

Mystery Climograph 1



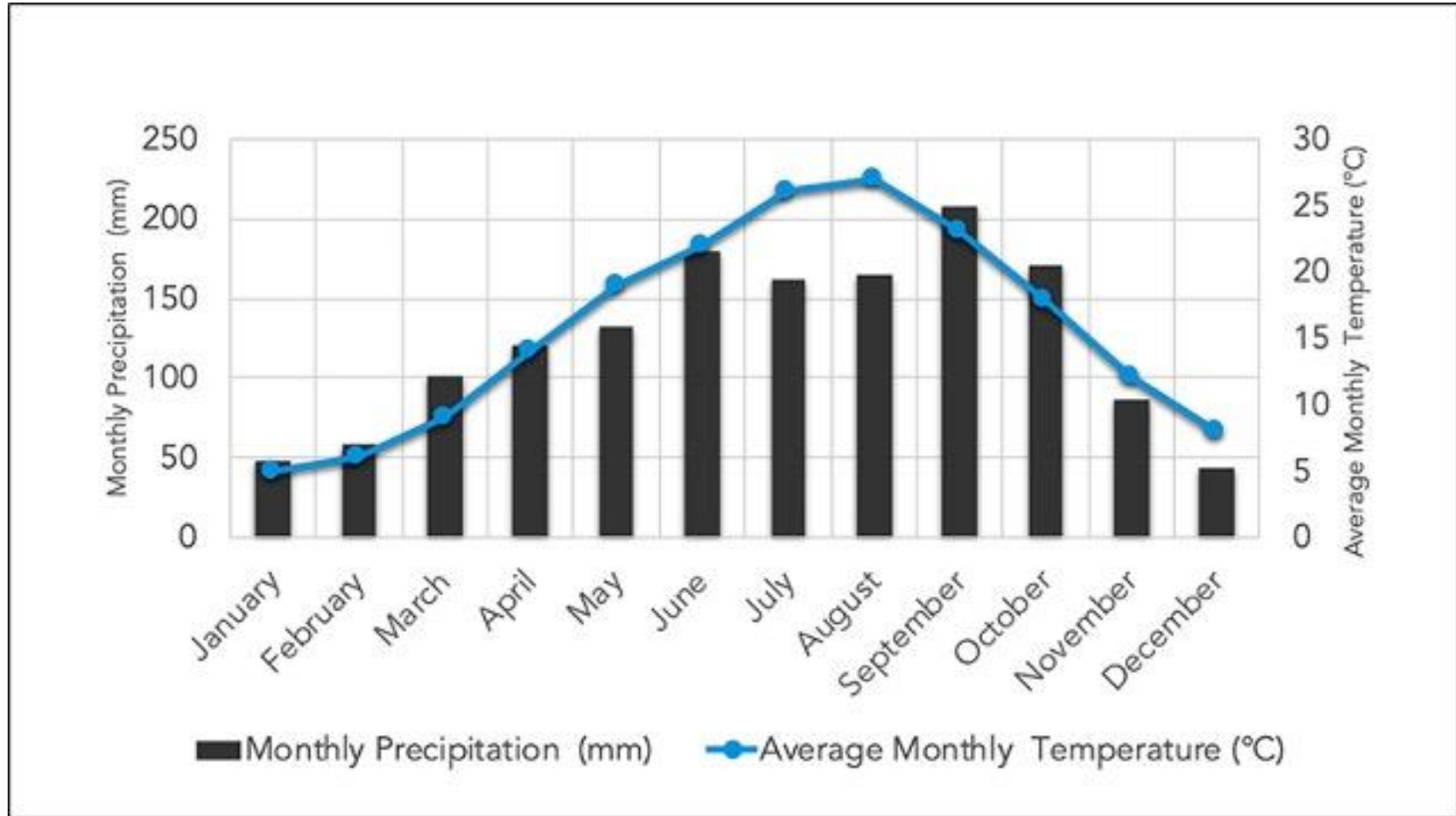
GEOGRAPHY: BIOMES

Mystery Climograph 2



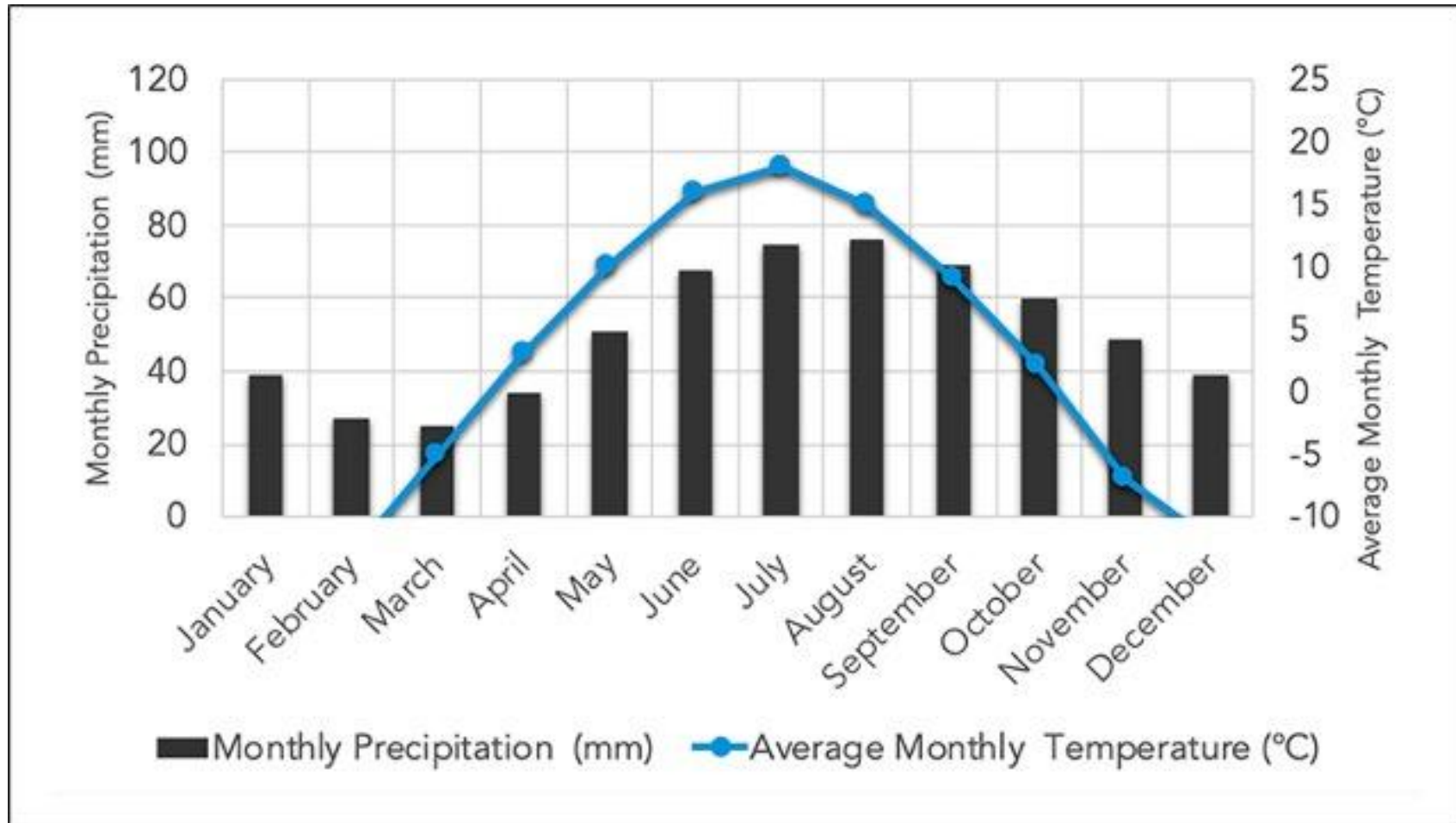
GEOGRAPHY: BIOMES

Mystery Climograph 3



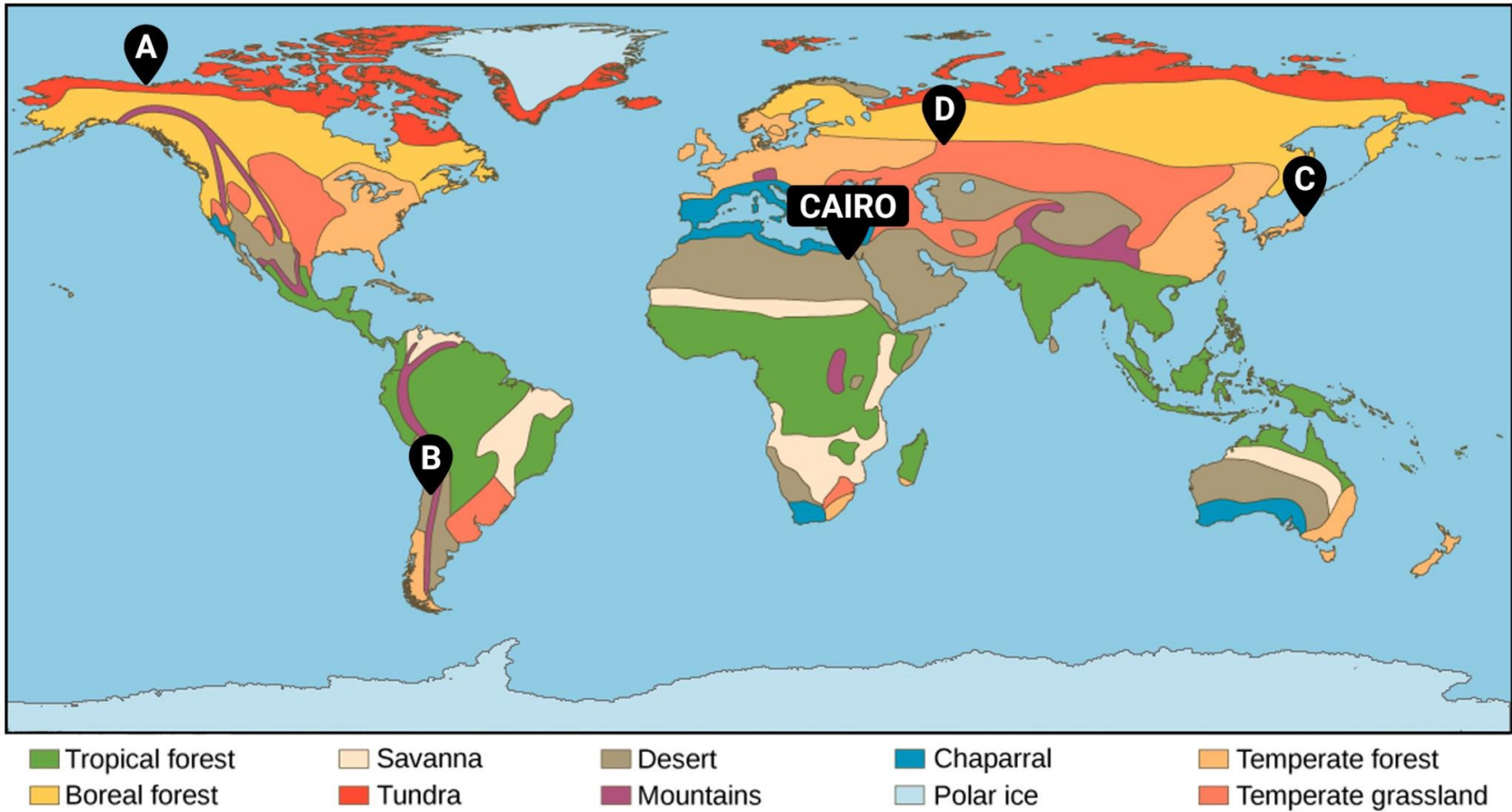
GEOGRAPHY: BIOMES

Mystery Climograph 4



GEOGRAPHY: BIOMES

Map of Biomes and Mystery Locations



Map: [Terrestrial Biomes](#) by OpenStax, CC BY 4.0