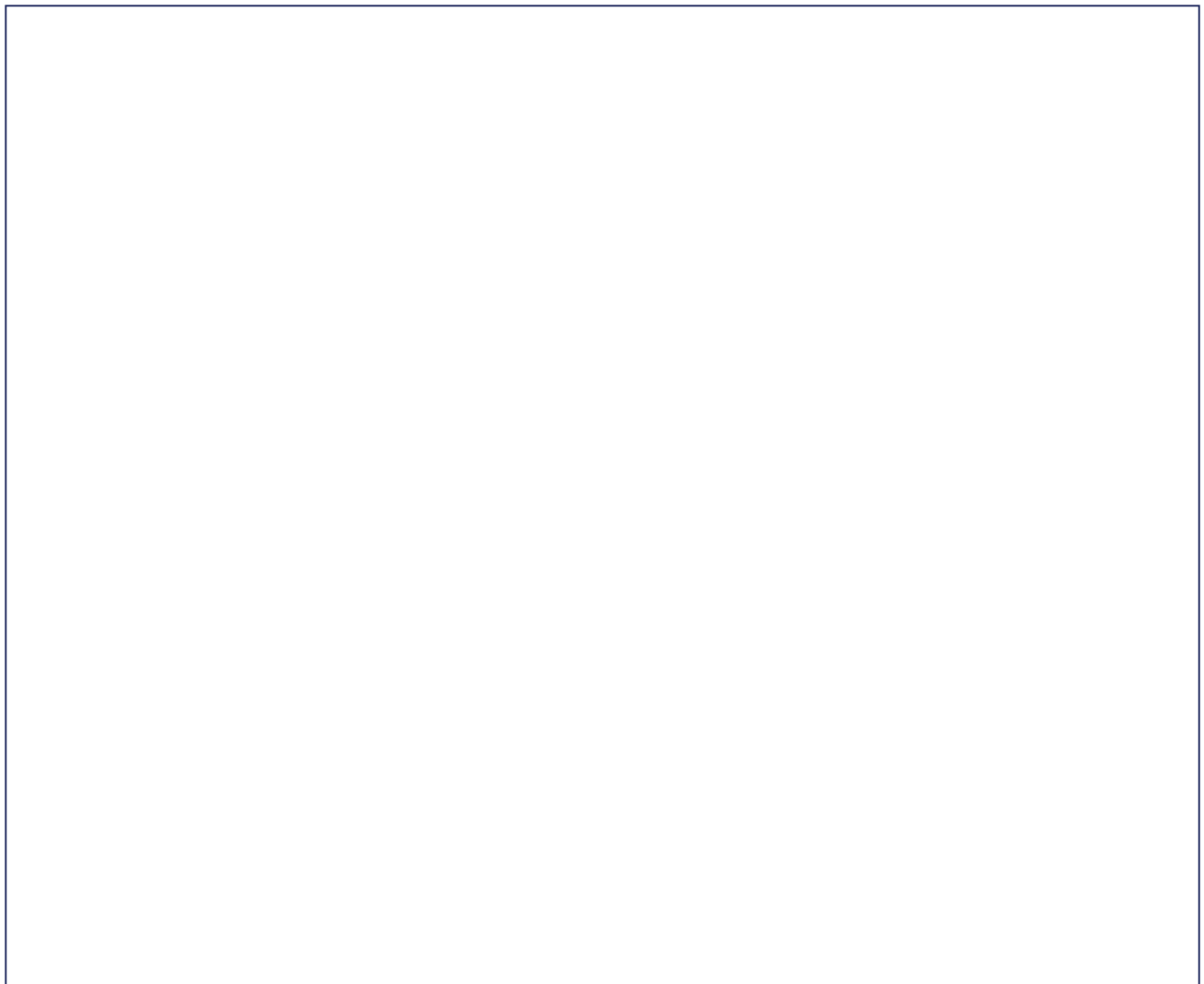


Finn's Global Weather Expedition

Learning objective: To identify and illustrate different weather patterns and explain the difference between weather and climate.

Finn the dolphin is traveling across the globe. Use the drawing prompt below to create a map of the world showing different climate zones and the weather patterns associated with them. Use the word bank to label your drawing accurately.

Draw: Draw a large, colorful map of the world. In the center, draw the Equator as a dashed line. On the left side of the map, draw a snowy polar region with icebergs and a cold sun. In the middle, near the Equator, draw a lush, green tropical rainforest with heavy rain clouds and a bright, intense sun. On the right, draw a temperate forest with trees that have fall-colored leaves to represent changing seasons. Include small symbols for weather, such as raindrops for precipitation, snowflakes for cold areas, and lightning bolts for storms.



Label words: Equator · Tropical climate · Polar region · Temperate climate · Precipitation · Atmosphere · Meteorology

Steps:

1. Label the Equator on your map. Explain why the regions near the Equator usually have a warmer climate than the regions near the Poles.

2. Compare and contrast the weather in a temperate climate with the weather in a polar climate. How do they differ?
3. Justify your answer: Why is it important for a meteorologist to understand both local weather and global climate patterns?
4. What might happen if the global climate began to warm up significantly? Describe one potential impact on the polar regions.
5. Explain the difference between 'weather' and 'climate' in your own words.
6. If Finn the dolphin were to migrate from a tropical region to a temperate region, what changes in his environment would he notice?