

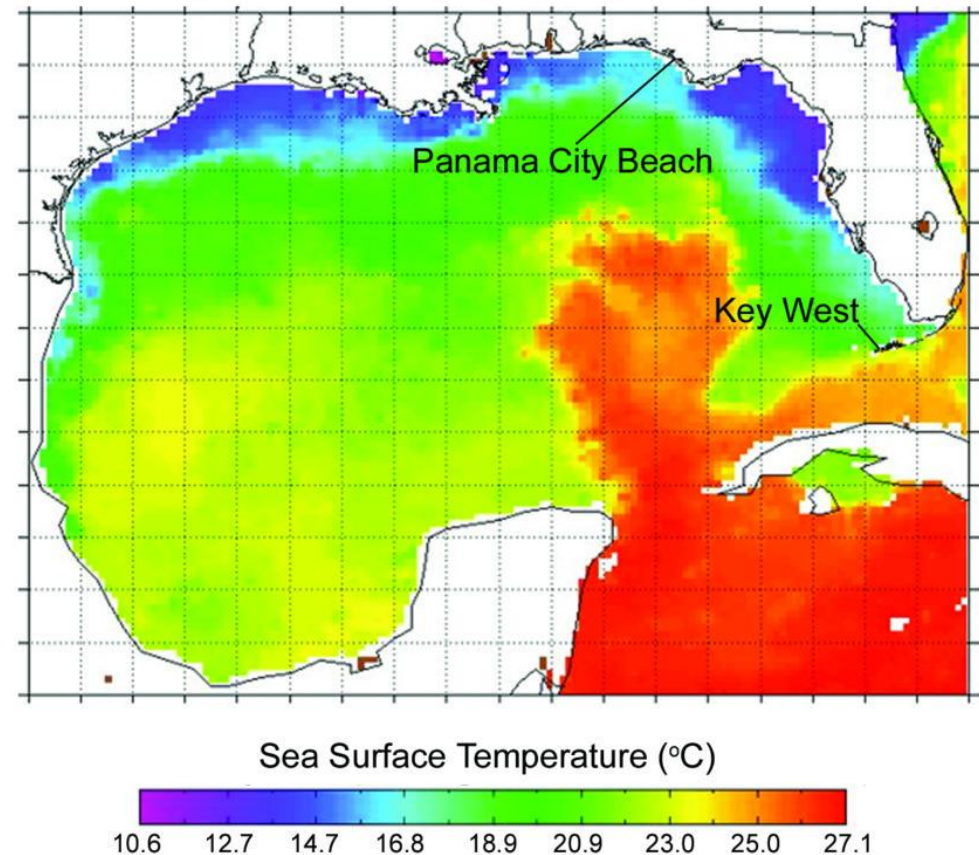
Atmospheric Circulation

Introduction

Each year on January 1st hundreds of people in diverse cities around the world jump into the ocean because they believe the cold water provides health benefits, although scientific evidence for this hypothesis is lacking, while others just do it to raise awareness for charity. This practice began off Coney Island where the swimmers plunged into water typically around 33 F.

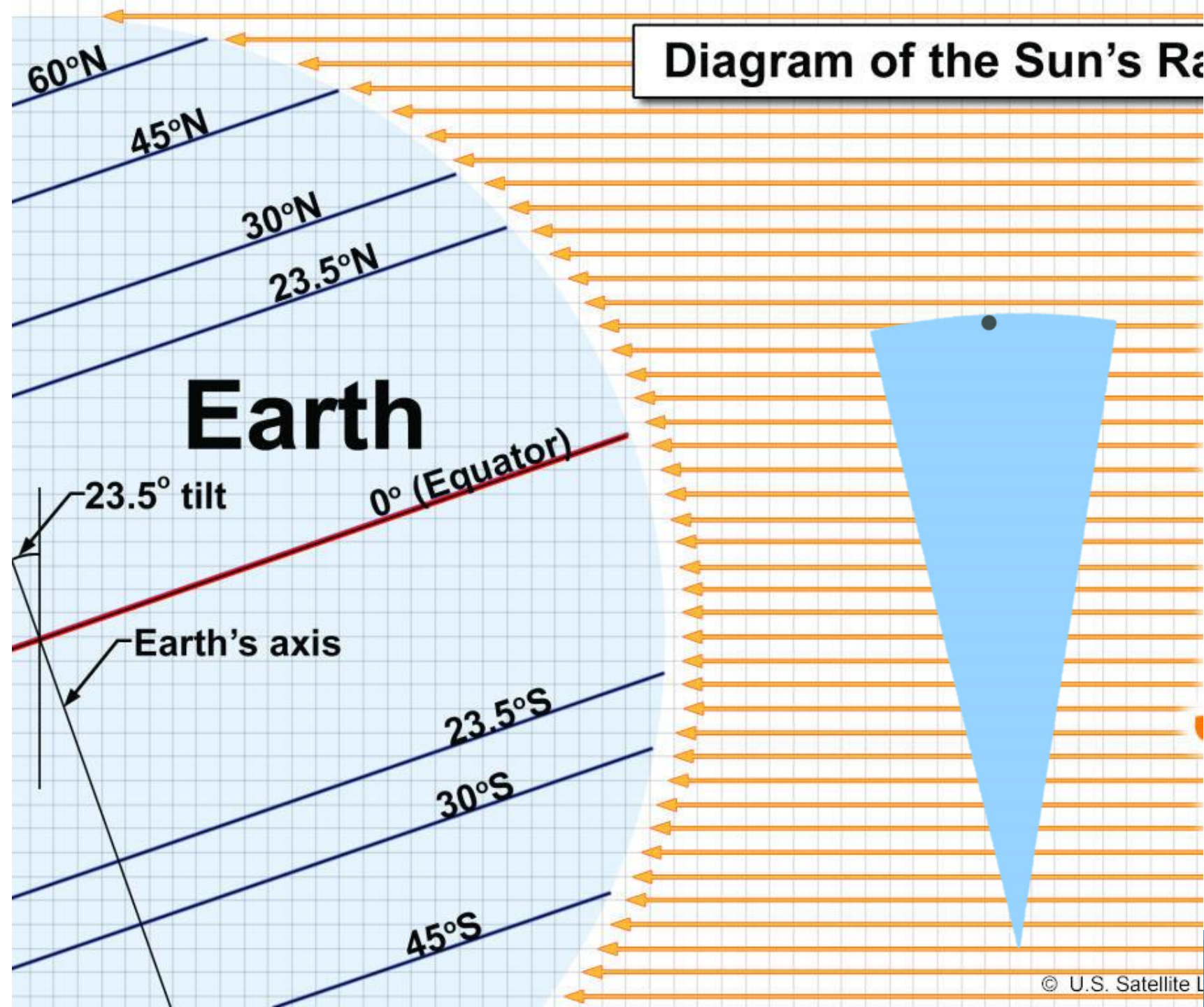
If these same swimmers were to plan the jump on July 1st, what would be a better name for the club? Why?

Would Key West be a good place for a new Polar Bear Club? What about Panama City Beach? Why or why not?



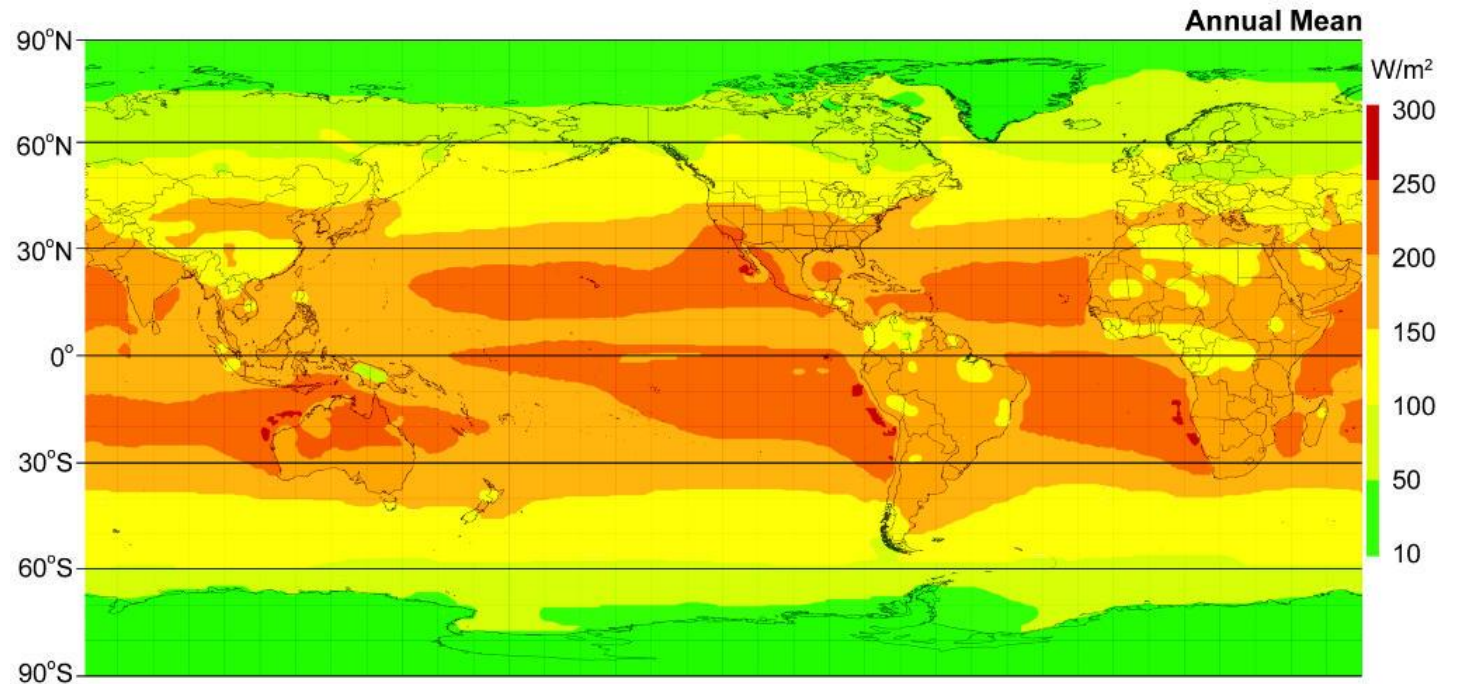
Atmospheric Circulation Modeling: The Sun's Rays

LATITUDE	# OF UNITS
60 N	
45 N	
30 N	
23.5 N	
0	
23.5 S	
30 S	
45 S	



Atmospheric Circulation Guided Practice

Working with your table complete Q's 15-24 on pages 144 through 152 in the Marine Science: The Dynamic Ocean textbook.



Atmospheric Circulation Independent Practice

1. What is the relationship between the sun, atmosphere and oceans?
2. What effect do greenhouse gases have on warming the Earth? Explain.
3. Identify and explain the major wind patterns of the Earth.

