

Jeopardy

Global Winds	Pressure Systems	Ocean Currents	Climate	Grab Bag
<u>Q \$100</u>	<u>Q \$100</u>	<u>Q \$100</u>	<u>Q \$100</u>	<u>Q \$100</u>
<u>Q \$200</u>	<u>Q \$200</u>	<u>Q \$200</u>	<u>Q \$200</u>	<u>Q \$200</u>
<u>Q \$300</u>	<u>Q \$300</u>	<u>Q \$300</u>	<u>Q \$300</u>	<u>Q \$300</u>
<u>Q \$400</u>	<u>Q \$400</u>	<u>Q \$400</u>	<u>Q \$400</u>	<u>Q \$400</u>
<u>Q \$500</u>	<u>Q \$500</u>	<u>Q \$500</u>	<u>Q \$500</u>	<u>Q \$500</u>

Final Jeopardy

\$100 Question from Global Winds

Wind flows from an area of _____ pressure to an area of _____ pressure.

High to low pressure



\$200 Question from Global Winds

These winds have an affect on the way weather moves in the US, and can be found from latitudes 30 degrees to 60 degrees in both hemispheres.

The Prevailing Westerlies



\$300 Question from Global Winds

The trade winds can be found between _____ degrees and _____ degrees latitude.

0 Degrees (equator) to 30 degrees



\$400 Question from Global Winds

If it were not for this, winds would move in a straight fashion from the poles towards the equator.

The Coriolis Effect



\$500 Question from Global Winds

These very cold, chilly winds are found from _____ degrees latitude to _____ degrees latitude and move in this direction, they are called _____.
(Provide both blanks, direction, and name!!!!!!)

60 degrees to 90 degrees, East to West, Polar Easterlies



\$100 Question from Pressure Systems

These areas are associated with clear weather.

High Pressure Area



\$200 Question from Pressure Systems

Warm, rising air characterizes
this specific pressure area.

Low pressure area



\$300 Question from Pressure Systems

This pressure area is usually found at 30 degrees latitude, and is a reason why we see many desert climates here.

High pressure area



\$400 Question from Pressure Systems

High pressure areas are characterized by _____ (temperature), _____ (the way it moves) air.

Cold, sinking air.



\$500 Question from Pressure Systems

Name the two lines of latitudes on the globe that generally have low pressure areas.

0 Degrees (equator) and 60 degrees



\$100 Question from Ocean Currents

This is the ocean surface current that runs northwards on the east side of the U.S.

The Gulf Stream



\$200 Question from Ocean Currents

The Canary Current runs on the
WEST SIDE of Africa. This
current, in terms of temperature, is
generally:

Colder



\$300 Question from Ocean Currents

Provide two reasons why ocean surface currents move the way they do.

Possible answers:

**Global Winds, Coriolis Force or
Differences in Temperature**



\$400 Question from Ocean Currents

The Gulf Stream, North Atlantic Drift, the Canary Current, and the North Equatorial current are four ocean surface currents that, when combined, form a circular gyre in the Atlantic Ocean. This gyre is called:



The North Atlantic Gyre

\$500 Question from Ocean Currents

What two factors cause ocean water to become very dense and create deep water ocean currents?

**Temperature (Very cold) and
Salinity (very salty)**



\$100 Question from Climate

This climate zone encompasses
where we currently live today.

The Temperate Climate Zone



\$200 Question from Climate

The tropical climate zone can be described as: (temp. and precipitation).

Hot and rainy



\$300 Question from Climate

What can be found at 23.5 N latitude
and 23.5 S Latitude.

_____ N latitude

_____ S latitude.

**23.5 degrees North = The Tropic of
Cancer**

**23.5 degrees South = The Tropic of
Capricorn!**

\$400 Question from Climate

This particular side of a mountain will usually be warmer with less precipitation?

The leeward side



\$500 Question from Climate

These are the two most important factors that determine climate areas.

Precipitation and temperature



\$100 Question from Grab Bag

This is the main reason the Earth experiences seasons.

**The tilt of Earth's Axis
(23.5 degrees)**



\$200 Question from Grab Bag

In general, as you move away from the equator, sunlight becomes_____.

Less intense



\$300 Question from Grab Bag

How do ocean currents on the west side of a body of water compare to the east side?

West side tend to be cooler
East side tend to be warmer



\$400 Question from Grab Bag

This specific biome is found in the polar zone is defined as a very dry, cold place.

The Tundra Biome



\$500 Question from Grab Bag

Explain why Los Angeles, CA and Atlanta, GA are at the same latitude but have very different climates.

Los Angeles has a more moderate (low range) in temperature because it is near the Pacific Ocean. Atlanta will have much more extreme ranges (hot in summer, colder in winter) because prevailing winds come from over a large body of land.

Final Jeopardy

What percent of the world's
population
live in the United States?

6%

