

# Jeopardy

Grab Bag Review	Grab Bag Review 2	Biomes	Climate	Factors that affect climate
<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 Grab Bag 1

Wind flows from an area of  
\_\_\_\_\_ pressure to an area of  
\_\_\_\_\_ pressure.

**High to low pressure**



# \$200 Grab Bag 1

What is the major energy source for weather on Earth?

**The Sun**



# \$300 Grab Bag 1

Provide two ways ocean surface currents are driven.

**Possible answers:**

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



# \$400 Grab Bag 1

What is the bending of wind and water called? and what causes it?

**The Coriolis Effect & the rotation of the earth**



# \$500 Grab Bag 1

Describe how a cold front forms

Describe how a warm front forms

Cold front = when cold air moves in and pushes warm air up.

Warm front = when warm air move in above existing cold air.



# \$100 Grab Bag 2

These areas are associated with clear weather.

**High Pressure Area**



## \$200 Grab Bag 2

Warm, rising air characterizes this specific pressure area.

**Low pressure area**





## \$300 Grab Bag 2

What is an air mass?

**A large body of air that has the same temperature & pressure throughout.**



## \$400 Grab Bag 2

Weather tends to happen when two *different* or *like* air masses meet?

**Different**



## \$500 Grab Bag 2

As latitude increases what happens to temperature? What is the temperature like at the equator? What is the temperature like at the poles?

**\*As latitude increases the temperature decreases**

**\*The equator is hot and the poles are cold**



# \$100 Biomes

A major climate region with particular plants and animals is called a ?

**Biome**



# \$200 Biomes

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

**Hot and Rainy**



# \$300 Biomes

This climate zone has four seasons and is also the biome where we currently live today.

**The Temperate Deciduous  
Forest Climate Zone (biome)**



# \$400 Biomes

What is the coldest biome on Earth?

**Tundra**



## \$500 Biomes

Name three factors that determine the number and type of organisms in an ecosystem .

- 1) Food
- 2) water
- 3) Shelter
- 4) temperature
- 5) sunlight





# \$100 Climate

What is climate?

**The long-term record of temperature, precipitation and wind for a region.**



# \$200 Climate

What are the two main factors when determining an areas climate?

**Temperature and precipitation**



# \$300 Climate

What is the difference between climate and weather?

**Weather is temperature, wind, and precipitation over a short period of time (daily or weekly). Climate is a record of the same thing but over a long period of time (month, season, year, decade)**



# \$400 Climate

Why is the equator so hot and the poles so cold?

**The equator gets the most direct sunlight which creates more heat. The poles get the least amount of direct sunlight which means less heat**



# \$500 Climate

How do prevailing wind direction affect climate?

**Wind direction determines the windward and leeward side of a mountain**



# \$100 Factor That Affect Climate

Name at least 3 factors that affect an areas climate (temperature and precipitation)?

- 1) Latitude
- 2) Near center of large landmass
- 3) Near large body of water
- 4) Elevation
- 5) Location to mountain
- 6) Ocean currents



# \$200 Factors That Affect Climate

What is the difference in temperature and precipitation of the leeward and windward side of a mountain?

**Windward = cooler & more rain**

**Leeward = warmer & less rain (drier)**



# \$300 Factors that Affect Climate

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

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





# \$400 Factors that Effect Climate

How do oceans help regulate temperatures on Earth?

**Because water has a high specific heat oceans take heat energy from the atmosphere and stores it for long periods of time and keeps earth from getting too hot. Then it then releases that heat energy and keeps earth from getting too cold.**



# \$500 Factors that Affect Climate

How does elevation affect climate  
and give an example

**As elevation increase temperature decreases.**

**Example: it could be warm at the base of a mountain and snow covered at the top.**



# Final Jeopardy

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

**4.5%**



[http://en.wikipedia.org/wiki/List\\_of\\_countries\\_by\\_population](http://en.wikipedia.org/wiki/List_of_countries_by_population)