

1. What causes the surface currents in the world's oceans? _____

2. What causes the air in the atmosphere to circulate and move? _____

3. How do ocean currents affect climate (temperature & relative humidity)? _____

4. Describe the Gulf Stream & its importance. _____

5. What % of heat transfer on Earth is caused by atmospheric circulation? _____ Oceanic? _____
6. Where are deserts usually found on earth (be specific)? _____

7. Where does most of the earth's energy and heat originate? _____
8. What happens to temperature as you increase your altitude in the lower atmosphere? _____
9. What is the MAIN predictor of a region's climate? _____
10. Describe how the atmosphere circulates. _____

11. What 2 measurements are used to classify climate in the Köppen Climate Classification System (KGS)? _____

12. Highland areas in tropical latitudes show a prominence in what phenomena? _____
13. Be able to label the vertical donation diagram!
14. Describe the land/water temperature contrasts and how that affects climate. _____

15. Which hemisphere tends to have less extreme temperature differences? _____
16. Why? _____
17. Know your climate zone definitions.

Climate Type	Climate Group	Approximate Latitude	Average Temperature	Average Precipitation	Miscellaneous
Polar Ice Cap	E	90°			no vegetation
Tundra	E				permafrost
Subarctic	D				needle-leaf
Humid Continental	D				4 distinct seasons
Marine West Coast	C				very rainy all yr.
Mediterranean	C				
Humid Subtropical	C				our climate zone
Semiarid	B				temperate grasslands
Arid	B				found around 30°
Tropical Wet/Dry	A				savanna or jungle
Tropical Wet	A	0°			rainforest