

Name: _____ Period: _____ Date: _____

Climates of the World

I. Factors Affecting Climate: *Determine which is the most important climate factor for each of the locations below. Use the Climate Zones map and Global Ocean Currents map.*

Latitude

Elevation

Ocean currents

- _____ 1) England and west coast of Scandinavia's mild climate
- _____ 2) Tibetan Plateau's cold climate
- _____ 3) Southeastern U.S. (e.g. Georgia & Florida) warm humid climate at 30° north latitude
- _____ 4) Seattle Washington's wet climate
- _____ 5) Outback of Australia's desert climate (central Australia)
- _____ 6) The temperate to cold climate on Kilimanjaro in central Africa at the equator
- _____ 7) Tropical weather of Borneo in Indonesia, Brazil in South America and the Congo in Africa
- _____ 8) Warm wet climates of eastern Australia

II. Comparing Climates: *Use the maps provided to answer the following questions.*

9) Explain why people living in Southern California do not spend too much time swimming in the ocean even though it is a very warm climate:

10) Explain why Newfoundland, Canada and the Southern part of England have very different climates, even though they are at the same latitude:

III. Climate Zone Descriptions: *Read about each zone and fill in the chart below.*

Climate Zone	Latitude	Conditions
Tropical		
Desert		
Temperate		
Polar		

IV. Climate Zones: *Answer the questions using the zone descriptions and graphs provided.*

- _____ 11) Which zone is considered by many to be the best zone to live in because of its rainfall amounts and temperature ranges?
- _____ 12) Which zone has the least temperature variation through the months of the year?
- _____ 13) Which zone exists all because of high air pressure sinking to the earth?
- _____ 14) Which zone never has the sun reach high above the horizon and is also a very dry climate?

V. Climate Graphs:

Set I: *Determine the climate zone of each of the following locations.*

- _____ 15) Yakutsk, Russia _____ 17) Iquitos, Peru
- _____ 16) Tindouf, Algeria _____ 18) Memphis Tennessee

Set II: *Match the letter of each graph to its description or location.*

- _____ 19) Which graph shows the highest average monthly temperature?
- _____ 20) Which graph shows a wet season?
- _____ 21) Which graph shows the greatest influence from an ocean current?
- _____ 22) Barrow, Alaska
- _____ 23) London, England
- _____ 24) Yuma, Arizona
- _____ 25) Mangalore, India (tropical)