

Unit 2: Climate Study Guide

Name _____

World Geography Honors

Period _____ Date of Test _____

I. Vocabulary—know the terms from the vocabulary list/quiz and terms in the notes

II. Study your **notes on Climate, the handouts, and the worksheets**

- a. Earth-Sun Relations—Seasons, Solstices, Equinoxes, Understand what is happening during each season at different parts of Earth, length of day and night, Circle of Illumination
- b. List the three climate elements – define the terms
- c. List the six climate controls and explain each
- d. Where are the Low Latitudes? Middle Latitudes? High Latitudes? What is happening in each area?
- e. What is continentality? What and where does it impact?
- f. What happens when you go up in elevation?
- g. How does air move? What is the Hadley Cell? The Coriolis Effect?
- h. What is the circulation pattern around a high cell / low in the northern / southern hemisphere?
- i. Be able to illustrate and label the pressure system, generalized wind belts, and areas of calm.
- j. What is the circulation pattern of the ocean currents in each hemisphere? Where are cold and hot ocean currents and how do they influence the climate of SE US, SE China, SE Africa, and SE Australia? What are the current names?

III. Be able to explain why certain climates are found in specific locations using the six climate controls.

IV. Be able to explain climographs and explain what is happening at that climograph's location.