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Name

Global Winds (From Prentice Hall Earth Science p. 334 and Holt Science Spectrum p. 611)

Standard 5: Differential (uneven) heating of the Earth by the sun results in circulation **patterns in the atmosphere** and oceans called air and ocean currents.

1. 600 2. 3. 4. Equator Ν 5. 300 E 6. 600 S (7.) Global winds blow in east-west zones across the Earth called (8.) At the north and south poles, global winds blow from to . (3.) These cold winds are _____. (9.) Between 60° and 30° latitude, global winds blow from called to _____. (10.) These winds are called _____. (11.) The weather in the western USA comes in on _____ ly winds from the _____. (12.) Between 30° north or 30° south latitude and the equator, winds blow from ______ to _____. (13.) These winds are called the s because sailing ships used these winds to bring goods from Europe to the Americas in the seventeen hundreds. (14.) The winds are ______ at the equator. (15.) These calm winds are called the _______s. (16.) Having "the doldrums" is another way of saying that you are . (17.) The zone close to the equator is called the - because sailors sometimes had to throw their horses overboard because they ran out of food for them while waiting for the winds to pick up. (18.) The winds blowing from north to south in the northern hemisphere curve due to the ______ of the Earth. (19.) Bending of north south winds due to the rotation of the Earth is called the ______ effect. (20.) Ocean water is hottest at the and coldest at the ______s. (21.) Ocean water has a ______ specific heat capacity. (22.) Ocean currents move heat on Earth from the to the Word Bank latitudinal bands trade winds horse latitudes polar easterlies east to west west to east westerly, "doldrums" east to west westerlies rotation calm Pacific Ocean poles Coriolis equator poles clockwise high sad equator

Part 1: Global Wind Patterns Label the winds on the lines below.



