

Name:

Date:

Science 10
Global Winds
Formative Assessment

Specific Curriculum Outcomes:

- use weather data to describe and explain heat transfers in the hydrosphere and atmosphere, showing how these affect air and water currents
- illustrate and display how science attempts to explain seasonal changes and variations in weather patterns for a given location

Word Bank:

farrell
four
hadley
left

polar
polar easterlies
prevailing westerlies
right

three
trade
two

1. Convection currents in the troposphere create _____ cells in each hemisphere.
2. The northernmost cell is called the _____ cell.
3. In North America, the Coriolis effect causes items to deflect to the _____.
4. The _____ winds move from 30 degrees North towards the equator.
5. The winds that blow across Nova Scotia, coming up from the United States are the _____.