Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_P# \_\_\_\_\_

Global Wind Patterns

1. Label the latitude lines with their degree north or south of the equator. Label the equator.
2. Draw the air cells circulating around #1-12. Be sure to put arrows on your cells to show which way they are flowing. Name each cell.
3. Place arrowheads on the lines representing the surface winds, showing the direction they blow. Name all the winds and the windless areas.
4. Label High (H) and Low (L) pressure areas around the globe.
5. Write the number(s) of the items that are labeled on your diagram

4 Temperate Air Cells\_\_\_\_\_\_\_\_\_\_\_\_ 1 Doldrums \_\_\_\_\_\_\_\_\_\_\_\_

4 Polar Air Cells \_\_\_\_\_\_\_\_\_\_\_\_\_ 2 Horse Latitudes \_\_\_\_\_\_\_\_

4 Tropical Air Cells (Hadley Cells) \_\_\_\_\_\_\_\_\_\_

2 Prevailing Westerly Winds \_\_\_\_\_\_\_\_\_\_\_\_\_

2 Polar Easterly Winds \_\_\_\_\_\_\_\_\_\_\_\_

2 Trade Winds \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
|  | Points | Earned |
| Identification of items by numbers above | 8 |  |
| Polar Easterlies | 2 |  |
| Prevailing Westerlies | 2 |  |
| Tradewinds | 2 |  |
| Horse Latitudes | 2 |  |
| Doldrums | 1 |  |
| Equator | 1 |  |
| Correct High and Low pressures  | 2 |  |
| Wind direction arrows  | 3 |  |
| Convection Cell direction and names labeled  | 4 |  |
| Degrees Latitude Labeled  | 3 |  |
| Total | 30 / 2 = 15 points |  |

