**Wind Research Name:\_\_\_\_\_\_\_\_\_**

**Part 1:** Write the definitions in your ISN. Pg 61/62

1. Wind
2. Convection Currents
3. Global wind
4. Coriolis Effect
5. Jet Streams
6. Monsoon
7. Doldrums
8. Horse latitudes
9. Trade winds
10. Westerlies
11. Easterlies
12. Circulation Cells
13. Local Winds
14. Sea Breeze
15. Land Breeze

**Part 2:** Fill in the chart about conditions in different Climates – use ncwiseowl.org -> middle school zone -> britannica

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Climate Zone** | **Average  Temp.** | **Winds** | **Precipitation (Types and amount)** | **Geography** | **Vegetation** | **Proximity to Ocean** |
| Tundra |  |  |  |  |  |  |
| Desert |  |  |  |  |  |  |
| Temperate Forest |  |  |  |  |  |  |
| Tropical Rainforest |  |  |  |  |  |  |
| Boreal Forest |  |  |  |  |  |  |

**Part 3:** Answer the following questions in your ISN using COMPLETE sentences – this is so your notes will make sense. 63

1. Explain why the Northern Hemisphere experiences winter while the Southern Hemisphere experiences summer.
2. How do meteorologists measure wind?
3. List tomorrow’s forecast for the following places: Wake Forest, NC; Grand Rapids, MI; Billings, MT; Portland, OR; Los Angeles, CA; Tampa, FL; Mendoza, Argentina; Santiago, Chile; Sydney, Australia; Cape Town, South Africa; and London, England.
4. Describe how wind can be destructive.