

Chapter 7.2 Questions (Read pages 274 – 285) – NOT SIMPLE ANSWERS

1. How does an actual greenhouse work?
2. Define insolation and how is the value of insolation affected?
3. Explain the natural greenhouse effect and how are greenhouse gases similar to a real greenhouse?
4. How is the net radiation budget calculated?
5. What is the difference between incoming and outgoing radiation?
6. Describe albedo.
7. Using examples explain the difference between the three methods of heat transfer.
8. How does the process of convection explain wind?
9. What is the Coriolis Effect?
10. How are global wind patterns formed?
11. What is the Jet Stream and how is the Jet Stream formed?
12. How does the Jet stream influence weather/climate systems?
13. Why should we concern ourselves with the hydrosphere?
14. How is the climate affected by global ocean currents (think about the coast vs Manitoba)
15. How are the global wind patterns similar to the global ocean currents?
16. Go over questions on page 289, #3, 9, 12, 13