Use the book to answer the following questions on a separate sheet of paper.

*Weather and Climate*

Chapter 2:

1. Where does heat come from?
2. Are ultraviolet shorter or longer wavelength?
3. What colors can you see in visible light?
4. About how much energy from the sun is absorbed by the earth’s surface?
5. How much energy is reflected back by the surface of the earth?
6. What is the Greenhouse Effect?
7. What are the three types of heat transfer?
8. Use the equation to convert 52 degrees Fahrenheit to Celsius. What is your answer?
9. Why do winds form?
10. What are the 2 types of local winds?
11. Draw a diagram of how sea breezes occur.
12. Draw a diagram of how land breezes occur.
13. What is the Coriolis Effect?
14. What are the doldrums and why do they happen?
15. Draw a sketch of the water cycle here
16. What is humidity?
17. What are clouds?
18. How do clouds form? (write the steps)
19. What are the two conditions for condensation to occur?
20. What are the 3 types of clouds and what do they mean?
21. What are the 5 types of precipitation?
22. Is cloud seeding effective?