**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Chapter 17.2 & 17.3 Homework**

1. **What is the difference between heat and temperature?**
2. **Where do we get all of our energy from on Earth?**
3. **What are the three mechanisms of energy transfer?**
4. **Through which mechanism do we get most of our energy transfers? The least?**
5. **What is conduction?**
6. **What is convection?**
7. **What is radiation?**
8. **What is special about radiation in comparison with conduction and convection?**
9. **What are the four laws governing radiation?**
10. **What are the three things that can happen to solar radiation?**
11. **What is reflection?**
12. **What is scattering?**
13. **What percentage of solar radiation is absorbed by Earth’s surface?**
14. **What is the greenhouse effect?**
15. **What is a temperature control?**
16. **How does being on land or water affect temperature?**
17. **How does altitude affect temperature?**
18. **How do mountains affect temperature?**
19. **How does the direction of wind affect temperature?**
20. **What is albedo?**
21. **What is the significance of albedo?**
22. **What is an isotherm?**