

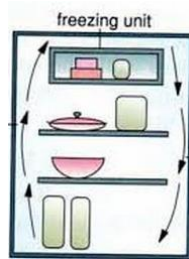
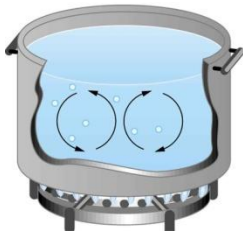


Period _____
Name _____
Date _____

6.3 Motion and Energy Study Guide

1. Name the three types of heat transfers. (Hint: Think of the dance!) _____

2. Use a real-life example to explain convection. Talk about the **heat/cooling source** and **density** to get full credit on the test!



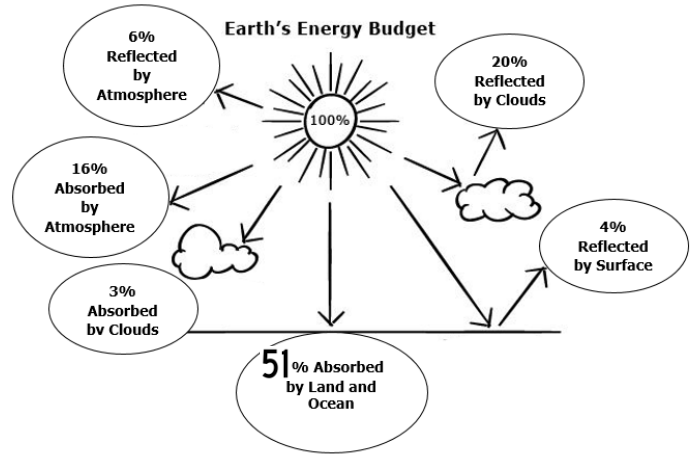
3. Define conduction, convection, and radiation from your notes. _____

4. How does heating a substance affect its **density**? _____

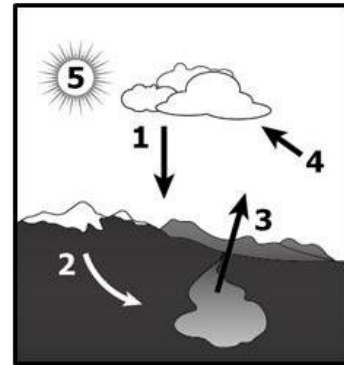
5. How does heating a substance affect the **speed** of the molecules in a substance?

6. Which wavelengths of light make up solar radiation?

7. Understand and explain Earth's Energy Budget.



8. Understand and explain the steps in The Water Cycle. What is the source of energy that powers the cycle?



9. Understand and explain the steps in cloud formation.

10. Explain the Greenhouse Effect. Be sure to talk about the burning of fossil fuels, greenhouse gases, and trapping of heat energy.

😊😊😊 **Extra Credit Opportunities:** Study/review 6.1 (independent variables, dependent variables, inference) AND organize science binder!!!