

STEMscopes Lesson 11: Heat Flow Study Guide

For each of the questions, think about and talk the answer out with your parent or a friend. The key point of this study guide is to familiarize you with the vocabulary and how the science concepts interact with one another. Completing this study guide does NOT guarantee an A on the test! You must still take your time and use great test-taking strategies to answer to your best ability. You should also be using the graded Science Mini Assessments to review. I will NOT be going over this study guide in class and it is NOT required to be completed in writing. You can talk it out with your parent if you choose!

1. Name at least 5 conductors: _____

2. What traits do conductors share in common? _____

3. Name at least 5 insulators: _____

4. What traits do insulators share in common? _____

5. How can you tell if something is a good conductor? _____

6. How can you tell if something is a good insulator? _____

7. Think of the flow of heat energy... I'm making a hot dog on a grill. Describe the flow of heat energy from the flame to the grill plate to the hot dog: _____

8. After an experiment, how can you tell which object has been most affected by heat?

9. If only given the temperature of an object, how can you tell which is a conductor or an insulator? _____

10. How can you tell which way heat energy is moving? _____
