

Thermal Energy - Study Guide

1. What is thermal energy? _____
2. What is heat? _____
3. What is temperature? _____
4. What are the 3 temperature scales? _____
5. What is absolute zero? _____

Give absolute zero for each: _____ K _____ °C _____ °F

6. What is conduction? _____

7. What types of substances make good conductors? _____
8. What types of substances make good insulators? _____
9. What is convection? _____

10. What is radiation? _____

11. Explain the flow of thermal energy. _____

12. What is thermal conductivity? _____

13. What is specific heat? _____

14. Will the following substances will have low or high thermal conductivity? Also, does this mean they are good conductors or insulators, and why?

Copper 387 J/kg°C : _____

Water 4184 J/kg°C: _____

Thermal Energy 12 Study Guide

Zhe Xu



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