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## 2.05 Heat Transfer Guided Notes

### Objectives:

In the lesson you will:

- define thermal energy, radiation, conduction, and convection
- differentiate among radiation, conduction, and convection

### Big Ideas:

Key Questions and Terms	Notes
How does temperature increase?	
What is thermal energy? Why do we need it?	
What is the average kinetic energy of an object's particles?	
How is thermal energy transferred?	

### A Moment of Science: A Watched Pot Never Boils Video:

Key Questions and Terms	Notes
How would you describe radiation?	
Give an example of radiation not in the video.	
How would you define convection in your own words?	
Give an example of convection not in the video.	
How would you explain conduction?	