8.3 Assignment

Solar Air Heater Research

Today you will research some background on solar energy. In this project we will be investigating the topics that we have discussed in this chapter; convection, conduction, radiation, thermal energy, etc.

In a **1-page paper** you will discuss how solar energy impacts the environment.

* How do you think solar energy is better than fossil fuels?
* What are the pros and cons of using solar energy as opposed to traditional energy sources?
* What problems are eliminated? What new challenges are encountered?
* Include the content vocabulary we discussed in this chapter (thermal energy, radiant energy, conduction, convection, radiation, heat, specific heat, kinetic energy, etc.…)
* Describe what is happening in each stage of the process.
  + Which part contains radiation/radiant energy, which parts involve convection or conduction, etc.
* What types of energy conversions are we seeing here?
  + (Example: kinetic 🡪potential, GPE 🡪kinetic, etc.)

