

active combustion heating systems heat pump
stroke conduction free passive thermal energy

1. Using solar energy is especially appealing because it is _____.
2. Most _____ use fuel or electricity as a source of energy.
3. A house with large windows on its south side and few windows on its other sides probably uses a(n) _____ solar heating system.
4. Solar collectors are used in buildings that have _____ solar heating systems.
5. Fuel burned in a stove or fireplace transfers thermal energy to the surrounding air by _____, convection, and radiation.
6. Before solar energy can be used as a source of heat, it must be changed to _____.
7. _____ means rapid burning.
8. A two-way heat mover is a _____.
9. A _____ is the movement of a piston up or down.
10. A(n) **passive active** solar heating system uses a solar collector to **absorb reflect** radiant energy.
11. A radiator heating system moves heat throughout a room by first by **conduction, convection, radiation** when the air touches the radiator, and by **conduction, convection, radiation** as heat moves from the hot radiator to the surrounding area, and finally by **conduction, convection, radiation** as the warmed air rises to the ceiling and cools becoming more dense and sinking again.