

## Chapter Ten Science: Interactions of Matter and Energy Objectives

### Lesson Four

- 1) Explain how temperatures change.
- 2) Relate energy, heat, and temperatures.
- 3) Compare and contrast how heat can be transferred.
- 4) How does insulation work?

### Lesson Five

- 1) How does heat physically change matter?
- 2) Discuss the effect of temperature on the expansion of matter.
- 3) Relate heat to change of state.
- 4) How do heating systems, refrigerators, and engines work?

## Lesson Six

- 1) How can sunlight heat matter?
- 2) How can the sun's energy be used to generate electricity?
- 3) Compare and contrast alternative forms of energy.
- 4) Trace the path of electricity from power station to home.