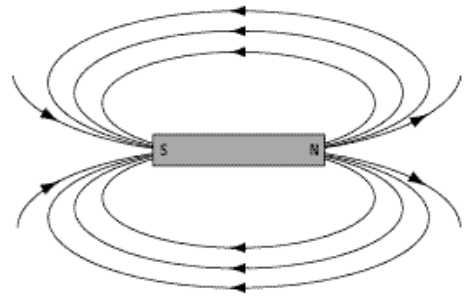


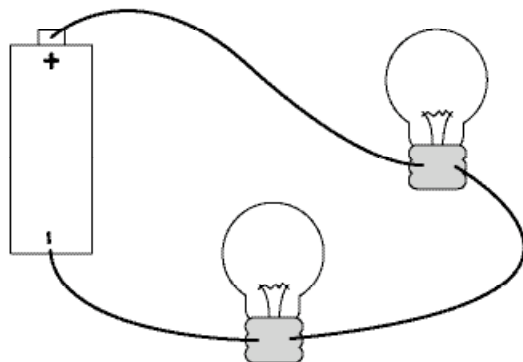
**WARNING** — This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully. Not to be used by children except under adult supervision.

# Pure Power!

## Module 9



Physical Science  
Light, Heat, Electricity &  
Magnetism



## ***National Science Standards Correlation***

- Light travels in a straight line until it strikes an object.
- Light can be reflected, refracted, or absorbed.
- Heat can be produced in many ways.
- Heat can move from one object to another by conduction.
- Electricity in circuits can produce light, heat, sound, and magnetic effects.
- Electrical circuits require a complete loop through which an electrical current can pass.
- Magnets attract and repel each other and certain kinds of materials.

## ***Kit Materials List***

### ***Designed for eight student groups:***

- 16 Battery holders, D cell
- 16 Lamp sockets
- 16 Lamp socket bulbs
- 30 Alligator test lead set
- 16 Bar magnets, 2 3/4" x 1/2"
- 1 Container iron filings, 30 g
- 1 Nichrome wire, 5 ft.
- 1 Prism, 25 mm x 50 mm
- 1 Mirror, 50 mm
- 1 Set of color paddles, 6 per set
- 8 Penlight flashlights
- 8 Thermometers, metal v-backed
- 1 Copper wire, 7 ft.
- 8 Steel nails
- 1 Calcium chloride, 500 g

### ***Other materials needed:***

- 1 Index cards, pack (3" x 5")
- 1 Clean empty cola can, 12 oz
- 1 Children's collection of magnets
- 200 Small paper clips
- 25 D-cell batteries
- 16 Plastic cups, 10 oz
- 16 Plastic spoons
- 8 Buzzers
- Slide Projector
- 1 Spray bottle with nozzle, 8 oz
- 8 Styrofoam meat trays