



# Activity Format

## Objectives

Knowledge and skills students will acquire as a result of doing the activity.

## Rationale

Importance of students learning the concepts or skills in this activity.

## Materials

Items needed for the activity. Any necessary preparation of materials is described in **Getting Ready**.

**Student Activity Sheets** are noted in bold, blue, italics. They are found in the *Student Book*. See the **Materials** list for page numbers.

This icon indicates that you can find



the **Student Activity Sheets** on the KEEP Website: [www.uwsp.edu/keep](http://www.uwsp.edu/keep).

## Background

Description of energy topics and concepts addressed in the **Procedure**.

## Procedure

### Orientation

Discussion topics that can be used to relate forthcoming concepts to students' lives and to assess what students currently know about the concepts in the activity.

### Steps

Suggested strategy for completing the activity (supplemental procedures may be referenced in the "Selected Teaching Strategies" found in the Appendix). Written instructions and materials for students are found on separate **Student Activity Sheets** directly following the activity.

### Closure

Discussion topics that can be used to conclude the activity and to assess what students have gained from participating in the activity.

## Assessment

### Formative

Questions about student actions that occurred during the activity.

### Summative

Suggested activities that have students applying learned information or skills to new situations.

## Extensions

Variations and additions to the activity. Enrichment activities and relevant teaching ideas can be found in the **Energy Sparks** sections.

**Summary:** Briefly describes student learning and activity procedure.

**Grade level:** Suggested grade levels: K-4, 5-8, 9-12

**Subject Areas:** Relevant subject areas.

**Setting:** Recommended location.

**Time:** Preparation time: Approximate time needed to review background information and set up materials. Activity time: Average class time needed to conduct the activity.

**Vocabulary:** Key terms introduced or used in the activity.

**Major Concept Areas:** Lists the major concepts covered in this activity.

**Getting Ready:** Directions for preparing materials or setting up demonstrations prior to conducting the activity with students.

**Resources:** **For Teachers** Books, periodicals, and organizations that provide supplementary information.

**Complementary Activities** Alternative sources that contain comparable activities.

**For Students** Materials such as trade books, videos, and games that can be used by students to support their understanding of concepts presented in the activity.

**Related KEEP Activities:** Theme activities and teaching ideas from **Energy Sparks** that can precede, supplement, or follow this activity.