

Alternative Assessment—Unit 2.4

Acids and Bases Display

Grade 8 Science

Overview

Students create a display of compounds or products that are or contain acids and bases. They include information about each acid and base.

Content Standards

Science GLE 0807.9.9 Explain the basic difference between acids and bases.

Science GLE 0807.9.3 Interpret data from an investigation to differentiate between physical and chemical changes.

Science GLE 0807.9.4 Distinguish among elements, compounds and mixtures.

Science GLE 0807.9.7 Explain the law of conservation of mass.

Science GLE 0807.Inq.2 Use appropriate tools and techniques to gather, organize, analyze, and interpret data.

Science GLE 0807.Inq.5 Communicate scientific understanding using descriptions, explanations, and models.

Learning Outcome: Classify common substances as acid, base, or neutral by observing reactions with an indicator.

Materials

Packages with labels of common household products, photographs from print or electronic sources

Resources

See Tennessee Holt Science and Technology, Grade 8, TE p. 372 for a complete description of this assessment.

Assessment Rubric

Criteria	Advanced	Proficient	Below standard
Display	Selected an appropriate and effective format to creatively communicate specific information about numerous acids and bases	Selected an effective format to communicate general information about acids and bases	No display or an ineffective display containing only one or two examples of acids and bases
Information	Presented relevant information about each acid and base	Presented general information or omitted information about some products	Presented minimal information or no specific information about the products displayed