



Lab Safety
Activity
Cards

Lab Safety Card Sort

Lesson Summary:

This lesson reinforces student's knowledge of lab safety symbols and can be used multiple ways.

Suggested Time Frame:

30 minutes

Materials:

One set of cards per group of students (suggested group size of 2-4)

Vocabulary:

Lab Safety
Caustic

Teacher Background

Understanding and applying lab safety skills forms the background to any lab experience. These common lab safety symbols are often seen on products and warning labels both around the home and the lab. It is important that students are familiar with these symbols and their meanings.

Teacher Notes

This is a set of lab safety symbols and matching vocabulary cards. There are multiple ways to use this set. Here are four suggestions to get you started.

1. Card Sort- Either before a lesson, to assess student's prior knowledge, or after a lesson, to assess student learning, students can use the cards to match the correct symbol to the term. This activity can be done individually, but is often best when done in pairs. Alternatively, you can have students sort the cards into piles such as "I know"/"I don't know" or "Seen before"/"Never seen". There are plenty of possibilities.
2. Memory Game – Students can set up the cards face down and play memory to help reinforce the connection between the symbol and the corresponding term. Students must match the correct symbol to the term.
3. Go Fish – Similar to Memory, in small groups of 2-4 students can play Go Fish with the object to make matches between the symbol and the term.
4. Flash Cards – Create flash cards to help students memorize the safety symbol and the corresponding term. Put the symbol on one side and the term on the other.

Pre-Activity Teacher Preparation

1. Print and prepare as many sets of cards as needed. If using for multiple classes I suggest printing on card stock and laminating for durability.

Extension/Expansion/Elaboration/Interdisciplinary Connections
















1. Students can write about which lab safety rule they feel is the most important. It is a good opportunity to use argumentative/persuasive writing techniques.

Essential Questions

1. What are lab safety rules?
2. Why is it important to follow lab safety rules?

Evaluation/Closure (Lesson Assessment)

1. Card sort (informal evaluation through observation)

Eye Protection	Clothing Protection	Caustic substances
Chemical Safety	Animal Safety	Plant Safety
Electrical Safety	Heating Safety	Sharp Object Safety
Hand Safety	Fire Safety	Gas Safety
Glassware Safety	Waste Disposal	Clean Hands

Lab Safety Symbols



Eye Protection



Clothing Protection



Caustic Substances



Chemical Safety



Animal Safety



Plant Safety



Electrical Safety



Heating Safety



Sharp Object Safety



Hand Safety



Fire Safety



Gas Safety



Glassware Safety



Waste Disposal



Hygienic Care/
Clean Hands

ANSWER KEY

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