

### SYMBOLS

Some chemicals that are used in the laboratory are potentially harmful so they are placed in containers labeled with hazard symbols. These symbols warn us to be careful when handling such chemicals.

Match the correct symbol to the chemical bottle according to the description given.

A



B



C



D



E



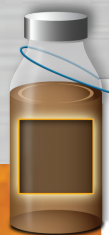
F



G



H



**Highly flammable.** may catch fire easily. Keep substance away from fire or heat. (Ex. Petrol, kerosene, alcohol)



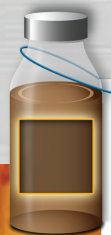
**Explosive.** May explode if it comes into contact with heat, or is subjected to friction or shock. (Ex. Fireworks or gun powder)



**Oxidising.** releases much heat when in contact with other substances. wear chemical-resistant gloves and safety glasses. use portable shields if necessary. (Ex. Barium peroxide, perchloric acid, sodium peroxide.)



**Toxic or Poisonous.** Do not taste, swallow, inhale or touch this substance. (Ex. Mercury, carbon monoxide, cyanide)



**Radioactive Substance.** Do not go near substance. Adhere to safety precautions. (Ex. Uranium, plutonium, radioactive carbon.)



**Harmful substance or irritant.** Not corrosive. May cause irritation to skin, eyes and throat. Do not inhale vapour or touch substance. (Ex. Gasoline, mineral, spirits, caustic soaps, concentrated cleaners.)



**Biohazardous bacteria or virus.** Poisonous or infectious. Do not touch. Dispose in proper containers. (Ex. Bacteria, virus, blood products.)



**Corrosive.** Destroys living tissue on contact. Avoid direct contact with substance and wash spillage away with water. (Ex. Strong acids like hydrochloric and sulfuric acids.)



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## Type of Resource:

This printable activity may be printed and passed out to elementary and middle school students to test their knowledge of the scientific method.

The actual courseware/source of this activity is Introduction to Science 1, one among over 25 best-selling offline interactive educational science e-learning coursewares called Science Werkz which won the 2013 EDDIE Award for Science E-Learning Solutions in the Upper Elementary and Middle School Categories.

## How to use this Resource:


We highly suggest that you use this resource if you are a teacher who wants to test your elementary or middle school students' knowledge about the safety precautionary symbols in the laboratory and what they mean.

Start the discussions about the safety precautions by asking their what is their idea about the role of safety precaution symbols in the laboratory and by giving some examples. You can then print this worksheet and ask the students to answer the questions.



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## Answer Key:

<b>D</b>		<i>Highly flammable.</i>	<b>F</b>		<i>Radioactive Substance.</i>
<b>B</b>		<i>Explosive.</i>	<b>A</b>		<i>Harmful Substance or Irritant</i>
<b>H</b>		<i>Oxidising.</i>	<b>E</b>		<i>Biohazardous bacteria or virus.</i>
<b>F</b>		<i>Toxic or Poisonous.</i>	<b>C</b>		<i>Corrosive.</i>

## More Details about the Resource:

**Science Werkz** is a line of award-winning offline interactive educational science solutions that may be accessed on the phones, tablets, or computers of its users. Consisting of more than 25 best-selling titles that feature informative videos, animated drawings that support learning, checkpoints, main points, concept map, diagrams, summary questions and interactives to encourage critical-thinking, among the key topics included in Science Werkz are General Science, Chemistry, Earth Science, Life Science/Biology, and Physical Science.

Winner of the 2013 EDDIE Award for Science E-Learning Solutions in the Upper Elementary and Middle School categories, the subscription-based science e-learning courseware may be used by educators for classroom learning or by parents and students for self-paced learning at home.

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