

# Element

STUDENT BOOK pp. 21, 302, 378

- What is an element? Check the best answer.
  - Substance that cannot be separated into other substances by physical means. ☐
  - Substance that cannot be separated into other substances by physical or chemical means. ☐
  - Substance that cannot be separated into other substances by chemical means. ☐
  - Substance that can be separated into molecules. ☐
- The following statements concern the chemical symbols assigned to elements. Indicate if a statement is true or false. If the statement is false, explain why.
  - A chemical symbol is always made up of two letters.  
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  - The chemical symbol for an element may be two capital letters.  
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  - The chemical symbols for elements are abbreviations recognized in all languages.  
\_\_\_\_\_
  - The periodic table of elements may be described as a catalogue providing details on elements.  
\_\_\_\_\_
- Complete the following table by entering the chemical symbol for each element listed. (You may use the periodic table on the inside back cover of the textbook.)

CHEMICAL SYMBOLS FOR THE PRINCIPAL ELEMENTS

Element	Chemical symbol	Element	Chemical symbol
Aluminum		Lithium	
Calcium		Magnesium	
Carbon		Mercury	
Chlorine		Nickel	
Copper		Nitrogen	
Fluorine		Oxygen	
Gold		Platinum	
Helium		Potassium	
Hydrogen		Silver	
Iodine		Sodium	
Iron		Sulphur	
Lead		Uranium	