



# 8E Atoms and Elements

- When are atoms and elements?
- Symbols for elements
- Elements in the periodic table
- Making compounds
- Chemical reactions
- Summary activities



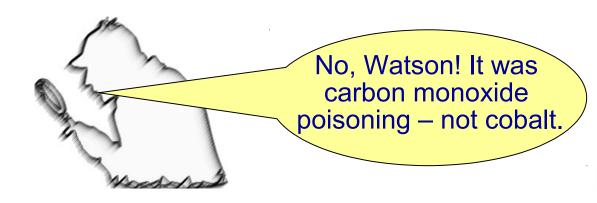




## How to write symbols for elements



- Two important rules should be followed when writing the symbols of elements so that there is no confusion.
  - 1. The first letter of an element's symbol is always a papertal Petterage e.g. N (not n) for nitrogen
  - 2. If there are two letters in the element's symbol, the second letter is always a small letter.
    - e.g. Co (not CO) for cobalt







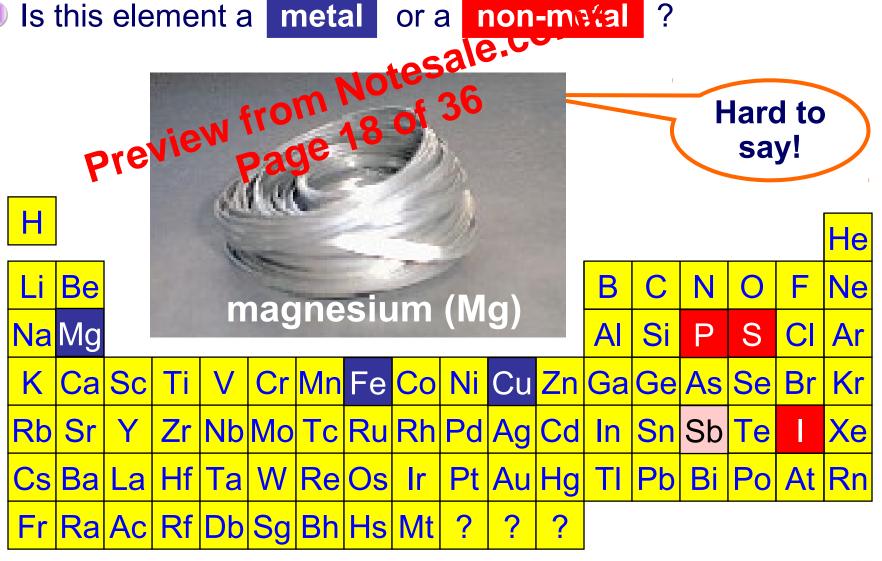


#### Metal or non-metal?





metal Is this element a non-metal or a



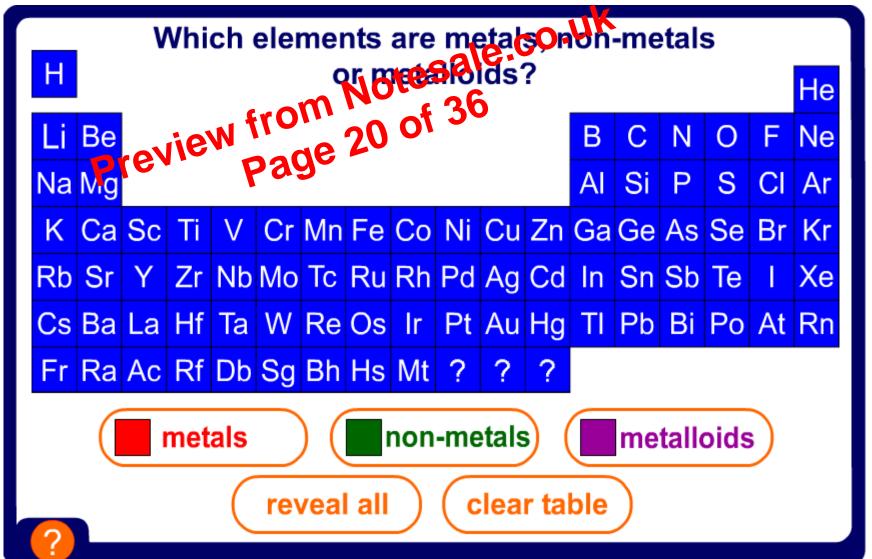






## Types of elements in the periodic table













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- atom The smallest particle that carkexist on its own.
- compound Substates made up of two or more element - State made up of only one type of a
- Stance made up of only one type of atom.
- formula The symbols and numbers that represent the atoms in a substance.
- molecule Two or more atoms that are chemically joined together.
- periodic table Table in which all known elements are arranged based on their properties.
- symbol One or two letters that represent an element.



