

Chemical Element Worktable: Identifying Isotopes or Nuclides

Directions: Name the nuclides by filling in all the blanks below. Isotopes of a given element are atoms with nuclei that have the same number of protons, but different numbers of neutrons. A nuclide is identified by the sum of the number of protons and neutrons in its nucleus. To find the symbol, use the list of **Chemical Elements and Their Symbols**. To find the correct number of protons, use the **Periodic Table**. Then add the number of protons and neutrons to identify the nuclide. The first example has already been completed.

Element	Symbol	Number Protons	Number Neutrons	Name of Isotope or Nuclide
Uranium	U	92	143	Uranium - 235
Uranium			146	
Carbon			8	
Iodine			78	
Strontium			52	
Cesium			82	
Thorium			142	