

Class: Chemistry

Unit: Unit 01 - Chapter 1: Matter and Change

Target: 00-02 Use symbols for ions and identify ions from their symbols.

(Chapter 1:3, Chemical Handbook, Chapter 7 Nomenclature)

Score	Description	Student Score
Exceeds Target (Exemplary) <ul style="list-style-type: none"><li>• Deeper more rigorous thinking</li><li>• Application to real world use, teach another person, use information to solve problems in a different context, explain connections between ideas, demonstrate a unique insight and/or creative application of skills.</li></ul>		
Mastery of Target (Application) Can apply target to new information.		
Proficient in Target <ul style="list-style-type: none"><li>• Expected level of performance for all students</li><li>• Consistent and Independent</li></ul>	Write the name and symbol for the most common ion for selected elements in: (Q1) Family IA Alkali Metals Family IIA Alkaline Earth Metals Family VIA Chalcogens Family VIIA Halogens Family VIIIA Noble Gases (Q2) Family IIIA Mixed Group - Boron Family Family IVA Carbon Family Family VA Nitrogen Family	
Approaching Proficiency <ul style="list-style-type: none"><li>• Basic learning necessary for foundation of target.</li><li>• Recall questions, fact-based skills, basic applications</li><li>• Independent, not consistent</li></ul>	Knows the names and symbols of the 40 commonly used elements. (Learned in Fund. of Sci. and Eng.)  Knows four of the 25 transition elements that are multivalent and their ion symbols. (Copper, Iron, Lead, Chromium)	
Needs Development <ul style="list-style-type: none"><li>• With help, can demonstrate some understanding of target</li></ul>		
No Evidence to Measure		

I can explain the difference between writing the symbols and names for elements and writing the symbols and names for their most common ions.

Given the symbol for the ion, I can write the name.

Given the name for the ion, I can write the symbol.

Given an element, I can write the symbol and name for the most common ion.