

Skills Checklist

Student's name: _____

Instructor's name: _____

Directions: Use the following rating scale to indicate the student's current level of understanding of each skill/concept:

- 1 - Beginning level of performance
- 2 - Developing level of performance
- 3 - Mastered/Accomplished level of performance

Objective/Skill: Arrange element categories (e.g., noble gases) on the felt board.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments: 				



Objective/Skill: Distinguish between metal and nonmetal elements.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments:				

Objective/Skill: Identify elements on the periodic table that are classified within lanthanide and actinide series.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments:				

Objective/Skill: Distinguish between naturally occurring and human-made elements on the periodic table.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments:				





Objective/Skill: Distinguish between radioactive and nonradioactive elements on the periodic table.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments:				

Objective/Skill: Identify the location of subatomic particles in an atom.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments:				

Objective/Skill: Arrange electrons in energy levels to determine electron configurations.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments:				



Objective/Skill: Determine oxidation number of an element.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments:				

Objective/Skill: Identify an element's valence electrons.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments:				

Objective/Skill: Build an electron dot diagram of a selected element.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments:				



Objective/Skill: Demonstrate how elements combine through ionic bonds.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments:				

Objective/Skill: Demonstrate how elements combine through covalent bonds.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments:				

Objective/Skill: Balance simple chemical equations.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments:				



Objective/Skill: Balance complex chemical equations.	Date:	Date:	Date:	Date:
	Rating:	Rating:	Rating:	Rating:
Comments:				

Permission is given to make copies of this checklist as needed. An electronic file of the "Skills Checklist" is also provided for free download on APH's Web site.