

Student Worksheet 1.1C

Extra Practice Questions: Making a Periodic Table

Your teacher will supply a blank periodic table. Follow the instructions below to complete the table.

- Label the groups (at the top of each group) from 1 to 18 and in the Roman Numeral system (IA to VIIIA and IB to VIIIB).
 - Label the periods at both sides of the table.
- Shade the metals with diagonal lines.
 - Shade the nonmetals with criss-cross lines.
 - Shade the metalloids with dots.
- Label the transition metals, lanthanides, actinides, alkali metals, alkaline earth metals, halogens, and noble gases.
- Outline the "staircase" with a thick black line and label it.
- Circle the elements that are liquid at SATP.
 - Outline the elements with a thick black line that are gases at SATP.

Answer the following questions:

- Define the following terms: period; group or family.
- What does the "staircase" indicate?
- How many elements are solid at SATP? Liquids at SATP? Gases at SATP?

	alkali metals		alkaline earth metals														halogens	noble gases	
	1	2																18	
	IA	IIA															VIIA	VIIIA	
1																			1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7

6																	6 — lanthanides
7																	7 — actinides