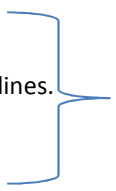


Making a Periodic Table

Obtain a blank periodic table. Read pages 10, 18-19 and follow the instructions below to complete the table.

1. (a) 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).

(b) Label the period numbers at both sides of the table.
2. (a) Shade the metals with diagonal lines.
(b) Shade the non-metals with criss-cross lines.
(c) Shade the metalloids with dots.  Distinguish between metals, non-metals and metalloids
3. Label the transition metals, lanthanides, actinides, alkali metals, alkaline earth metals, halogens, and noble gases.
4. Outline the "staircase" with a thick black line and label it.
5. (a) Circle the elements that are liquid at SATP.

(b) Outline the elements with a thick black line that are gases at SATP.

Answer the following questions:

1. Define the following terms: transuranic elements and representative elements,

2. What does the "staircase" indicate?

3. What is the difference between metals and non-metals?

3. How many elements are solid at SATP?

Liquids at SATP?

Gases at SATP?

4. What is SATP?