

Periodic Table Colouring Activity

You have been given a black and white periodic table that needs some colour according to the following directions. You will find the following pages in your textbook helpful: pg. 562 – 563.

You may use any colours you like **unless specified**. Like the diagrams in your book, **make a colour key** so your periodic table may be accurately read. Some boxes may be shaded multiple colours – just make sure you can see them all! Have fun and try to be as neat as possible – you will be looking at this table often!

1. State of Matter at Room Temperature (solid, liquid, or gas)

- There are 2 elements that are liquid at room temperature: Hg and Br. Using a **BLUE MARKER, outline** the symbols.
- 11 elements exist as gases at room temperature. **Outline** their symbols using a **RED MARKER** (H, He, N, O, F, Ne, Cl, Ar, Kr, Xe, Rn)
- The remaining elements are solid at room temperature – leave those alone

2. Metals vs. Nonmetals

- With a **dark marker**, add the “stair step” pattern that starts under Boron and extends down to Po and At. This is the division line between metals and nonmetals.
- Choose a **marker of any colour** and outline the area where nonmetals are found (don’t forget about Hydrogen!)
- Choose a **different colour marker** and outline the area in the periodic table where the metals are found

3. Metalloids

- Choose any colour of pencil crayon and shade in the following elements: B, Si, Ge, As, Sb, Te, Po, and At (for At only color half the box). These elements are called metalloids and exhibit both metallic and nonmetallic properties.

4. Specific Families and Blocks (use pg. 562-563)

- Using a **pencil crayon, colour** each of the following a **different colour**:
 - Alkali Metals – Group 1
 - Alkaline Earth Metals – Group 2
 - Transition Metals – Groups 3-12
 - Other metals – all other metals
 - Halogens – Group 17
 - Noble Gases – Group 18
 - All the rest of the non-metals (other non-metals) not in a named family (don’t forget about Hydrogen)

*Should have 12 different colour types and items in your Key