

GROUP 17: HALOGEN FAMILY

The diagram shows a simplified periodic table with the Group 17 elements highlighted in green. The highlighted elements are Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), and Astatine (At). Below the main periodic table is a separate 2x15 grid, likely intended for student input or additional information.

Element Symbols	F, Cl, Br, I, At, Uus
# of Valence Electrons	7 electrons in outer shell
Metal, Nonmetal, or Metalloid	All non-metals; Uus is unknown
Reactivity	Reactive; most bond with Group 1 metals forming salts
Properties	Low melting and boiling points; Form diatomic molecules (example: F ₂); produce colored vapors; poor conductors of heat and electricity
State of Matter at Room Temperature	2 gases, 1 liquid (Br), and 2 solids