

Main Group Element "Cootie Catcher"

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To assemble, cut out the square template and then carefully fold along the lines in the order described below. Folds along the dashed lines move paper toward the center of the printed side; folds along the solid lines move paper away from the center of the printed side. For an instructional video, search "chemistry cootie catcher" on YouTube.com.

== First folds
 == Second folds
 -- Third folds
 -- Fourth folds



Suggested use:

- 1) Select the main group on the outside faces of the points.
- 2) Select the element symbols among the exposed inside faces of the points.
- 3) Turn up the flap under those element symbols to find their corresponding names.

Group 1A (or 1) 1 valence electron in s^1 configuration H Li Na K Rb Cs Fr	hydrogen lithium sodium potassium rubidium cesium francium	Group 2A (or 2) 2 valence electrons in s^2 configuration Be Mg Ca Sr Ba Rn	beryllium magnesium calcium strontium barium radon	Group 3A (or 13) 3 valence electrons in s^2p^1 configuration B Al Ga In Tl	boron aluminum gallium indium thallium
Group 8A (or 18) 8 valence electrons in s^2p^6 configuration He (s^2 configuration) Ne Ar Kr Xe Rn	helium neon argon krypton xenon radon	Group 4A (or 14) 4 valence electrons in s^2p^2 configuration C Si Ge Sn Pb	carbon silicon germanium tin lead	Group 5A (or 15) 5 valence electrons in s^2p^3 configuration N P As Sb Bi	nitrogen phosphorus arsenic antimony bismuth
Group 6A (or 16) 6 valence electrons in s^2p^4 configuration O S Se Te Po	oxygen sulfur selenium tellurium polonium	Group 7A (or 17) 7 valence electrons in s^2p^5 configuration F Cl Br I At	fluorine chlorine bromine iodine astatine	Group 8A (or 18) 8 valence electrons in s^2p^6 configuration He (s^2 configuration) Ne Ar Kr Xe Rn	helium neon argon krypton xenon radon