

Fictitious symbols are used for the first 18 elements in the periodic table. Use the clues below to write the fictitious symbol in the appropriate spot on the periodic table provided. HINT: You do not have to complete each clue in order.

1							18
	2		13	14	15	16	17

Clue 1: Lg 0 Clue 2: Eg atoms have 12 protons in the nucleus.

Clue 3: Qp and Ju are halogens. Ju has fewer energy levels.

Clue 4: Ke is a member of the oxygen family. Ke is in the same period as Lg.

Clue 5: Gn is a member of the nitrogen family.

Clue 6: Rm and Sk have 3 valence electrons. Rm has more occupied energy levels than Sk.

Clue 7: Td and Vo are metals in the same family. Vo has 2 energy levels and Td has 3 energy levels.

Clue 8: Wa is a member of the alkaline earth metals.

Clue 9: Zy has an ending electron distribution of $3p^4$. An has 18 total electrons.

Clue 10: Ms is a nonmetal located on the side of the periodic table with all of the metals.

Clue 11: Bx atoms and Oz atoms are stable. Oz atoms are heavier than Bx atoms.

Clue 12: Ds and Cy are members of the carbon family. Ds has fewer protons than Cy.