Classifying the Elements

Squares in the Periodic Table

MASS NUMBER
ELEMENT
ATOMIC
NUMBER

ALKALI METALS

ALKALI EARTH METAL

HALOGENS

RARE EARTH

Sep 24-9:22 AM

Electron Configuration in Groups

GROUP 1	s^1	1A	X·	
GROUP 2	s^2	2A	·X·	
GROUP 3	p^1	3A		
GROUP 8	p^6	6A	:X:	

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Transition Elements

d BLOCK

$s^2 \quad d^1 \longrightarrow d^{10}$

$4s^2 \quad 3d^1 \longrightarrow 3d^{10}$

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INNER TRANSITION METAL

f ORBITALS

$f^1 \longrightarrow f^{14}$

$6s^2 \quad 4f^1 \longrightarrow 4f^{14}$

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Blocks of Elements

S BLOCK

P BLOCK

D BLOCK

F BLOCK

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Sep 24-9:27 AM

Sep 24-9:29 AM

Oct 3-9:57 PM