

“Answer on Question #59357, Chemistry / Inorganic Chemistry”

which of these is not a d-block element?

a) vanadium

b) zinc

c) titanium

d) aluminium

Vanadium

${}_{+23}\text{V} \quad 1s^2 2s^2 2p^6 3s^2 3p^6 3d^3 4s^2$ **d-element**

Zinc

${}_{+30}\text{Zn} \quad 1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2$ **d-element**

Titanium

${}_{+22}\text{Ti} \quad 1s^2 2s^2 2p^6 3s^2 3p^6 3d^2 4s^2$ **d-element**

Aluminum

${}_{+13}\text{Al} \quad 1s^2 2s^2 2p^6 3s^2 3p^1$ **s-element**