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2/9/24

Al - $1s^2 \cdot 2s^2 \cdot 2p^6 \cdot 2$

Ca - $1s^2, 2s^2, 2p^6, 3s^2$

$3p^4, 4s^2$

Ar - $1s^2, 2s^2, 2p^6, 3s^2, 3p^6$

2- According to second part of Aufbau principle, in the outermost shell the

should not be more than 8 electrons

and so $3d^{10}$ electron so it's inner

configuration

configuration of outermost shell

only 1 electron configuration.