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Ar:  $1s^2 2s^2 2p^6 3s^2 3p^6$

Kr:  $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6$

Xe:  $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6$

**A short cut method of writing configurations**

Since noble gases are "special" – reference all configurations against the PREVIOUS noble gas

- 1) Find the previous noble gas
- 2) Write that noble gas in brackets [ ]
- 3) List any remaining electron configuration left over until you get to the element you are trying to write

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