

#75537 Chemistry, Other

1. Which of the element is found in period 4 and is a member of group 17?
2. The electron configuration of a particular element is $1s^2 2s^2$. Name an element that has similar chemical properties?
3. Name an element that has an electron configuration that ends in p^5 ?
4. An element ending in electron configuration p^6 would be classified as an

Answer:

1. Bromine (Br) is found in period 4 and is a member of group 17?
2. Element with electron configuration $1s^2 2s^2$ is Beryllium (Be). Elements of the same group (in this case 2nd group) usually have similar chemical properties. That is why, Magnesium and Calcium have similar chemical properties to Beryllium.
3. An element that has an electron configuration that ends in p^5 is Fluorine (F).
4. An element ending in electron configuration p^6 would be classified as an inert gas.

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