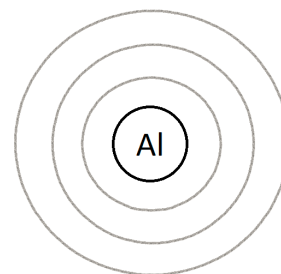


Making an Aluminium Atom Model.

1. Take a paper plate and draw a circle (about the size of a 2p coin) in the middle - this is the nucleus of your atom.
2. Write 'Al' inside your nucleus.
3. Draw three circles around your nucleus, so that it looks like this:



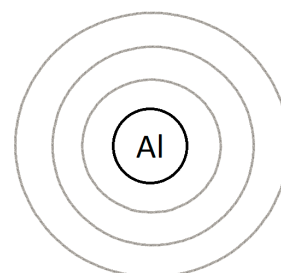
These circles are the electron shells - they are the orbital paths of your electrons.

4. The innermost shell of your atom (the one nearest the nucleus) holds 2 electrons. Stick 2 dots on this circle.
5. The middle shell of your atom holds 8 electrons. Stick 8 dots on this circle.
6. The outer shell of your atom holds 3 electrons. Stick 3 dots on this circle.

How many electrons does your Aluminium atom have altogether? _____

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