

CAIE Chemistry IGCSE

8.5 Noble gases

Flashcards

This work by [PMT Education](https://www.pmt.education) is licensed under [CC BY-NC-ND 4.0](https://creativecommons.org/licenses/by-nc-nd/4.0/)



What name is given to elements in
Group 0?



What name is given to elements in Group 0?

Noble gases



The noble gases are monatomic gases.
What does monatomic mean?



The noble gases are monatomic gases. What does monatomic mean?

Molecules consist of only one atom.



How many electrons do the noble gases have in their outer shell?



How many electrons do the noble gases have in their outer shell?

Noble gases have full outer shells so most noble gases have 8 electrons in their outermost shell, excluding helium which has 2 in its outer shell.



What does chemically inert mean?



What does chemically inert mean?

Chemically unreactive



Why are the noble gases chemically inert?



Why are the noble gases chemically inert?

They have full outer electron shells. This is a very stable electron configuration and means the elements are very unreactive.



What is the electron configuration of neon?



What is the electron configuration of neon?

The electron configuration of neon is 2, 8

