Unit 3

Modeling Atomic Structure

Mr. Maxwell

PACS

February 2, 2025

Atomic Number

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Atomic Number

The atomic number is the number of protons in the nucleus of an atom.

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Hydrogen

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What does the 1 mean?

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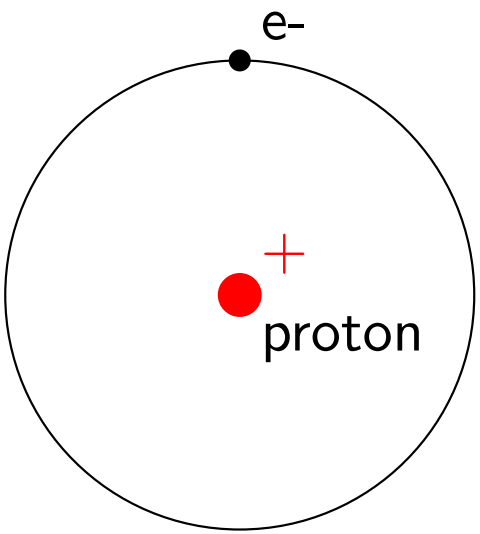
1 is the total number of neutrons and protons.



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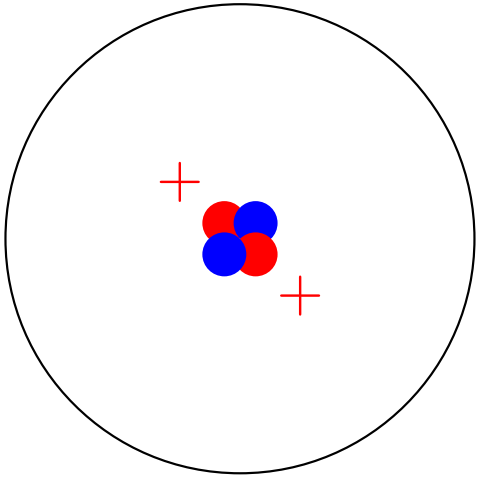

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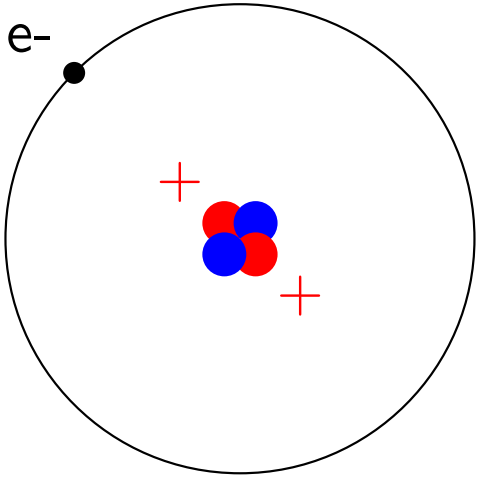

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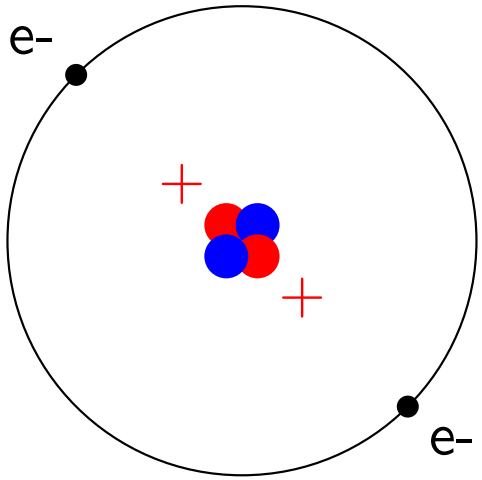

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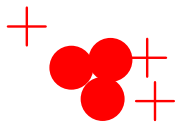
How many protons does Lithium have? 3



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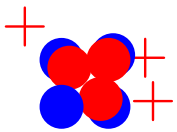

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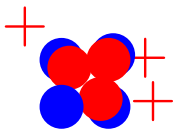

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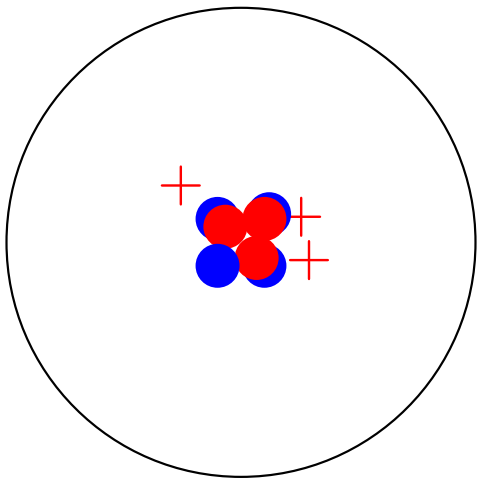

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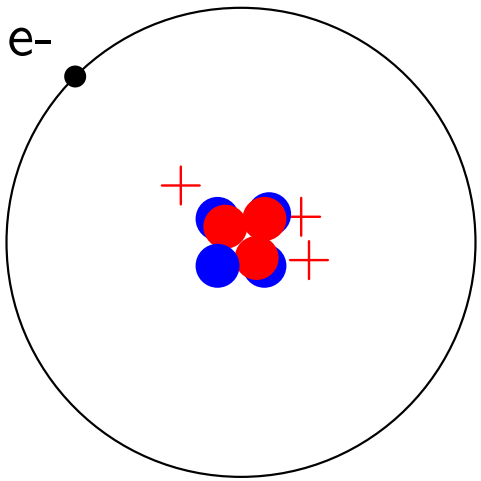

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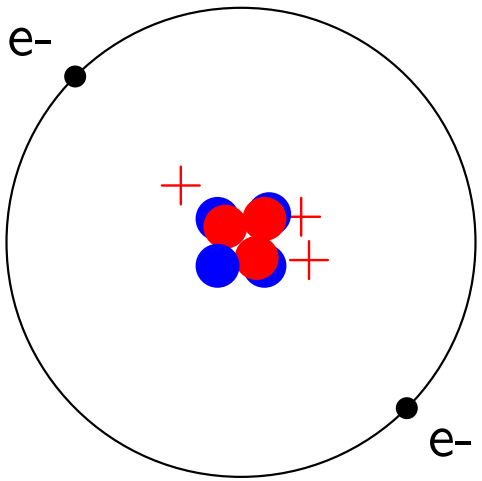

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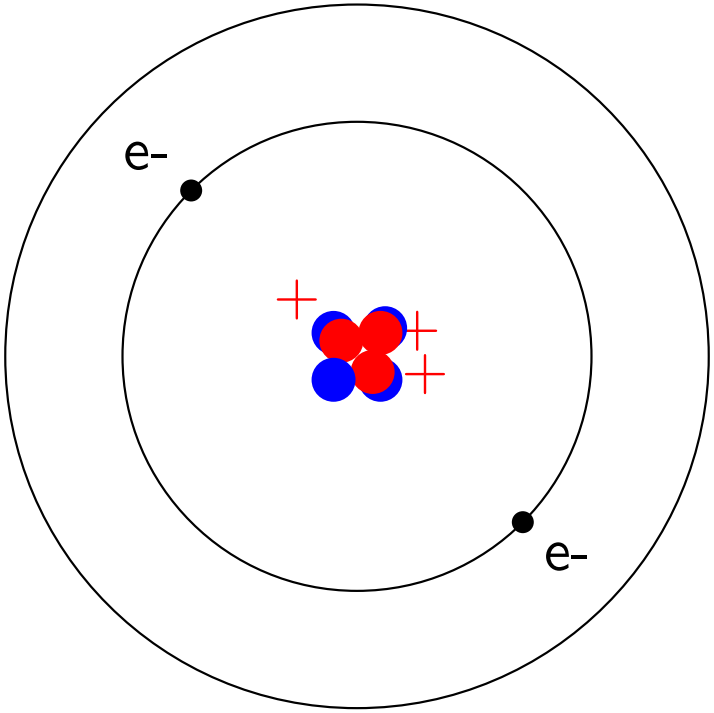

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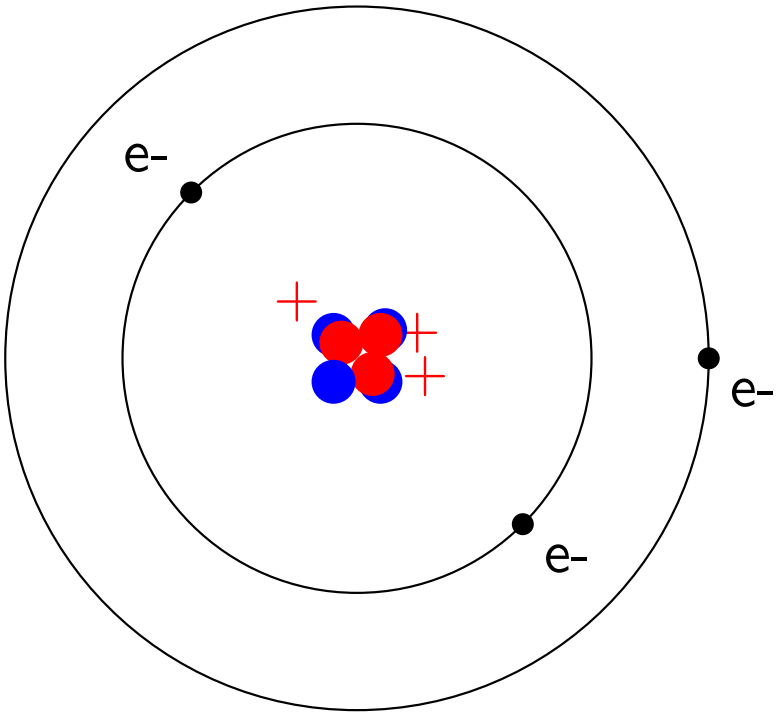

Niels Bohr

The Bohr Model - Bohr proposed that an atom was a nucleus with electrons "orbiting" in different

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Energy Levels

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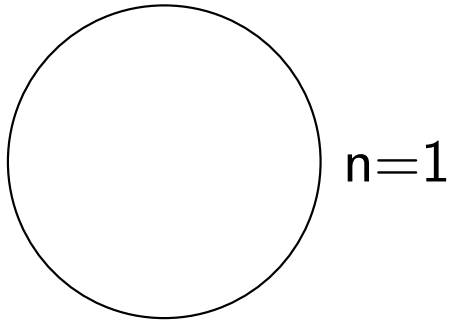

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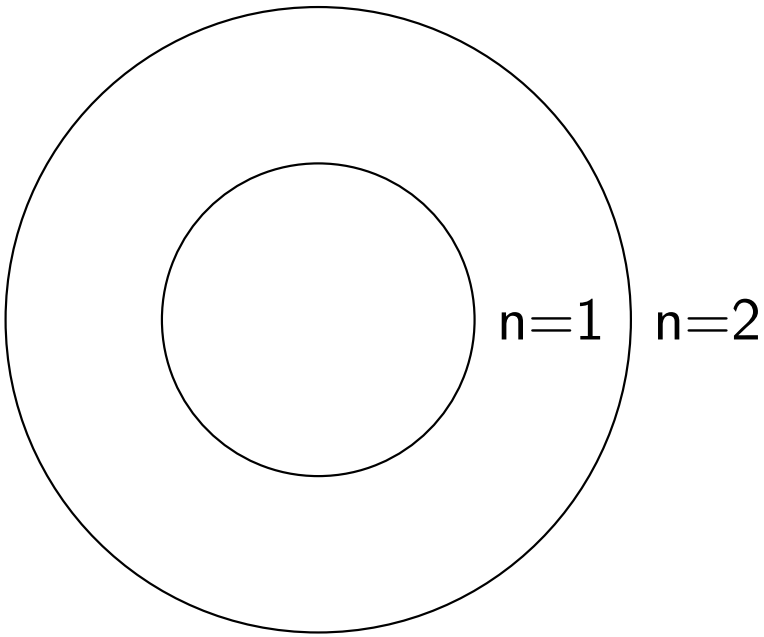

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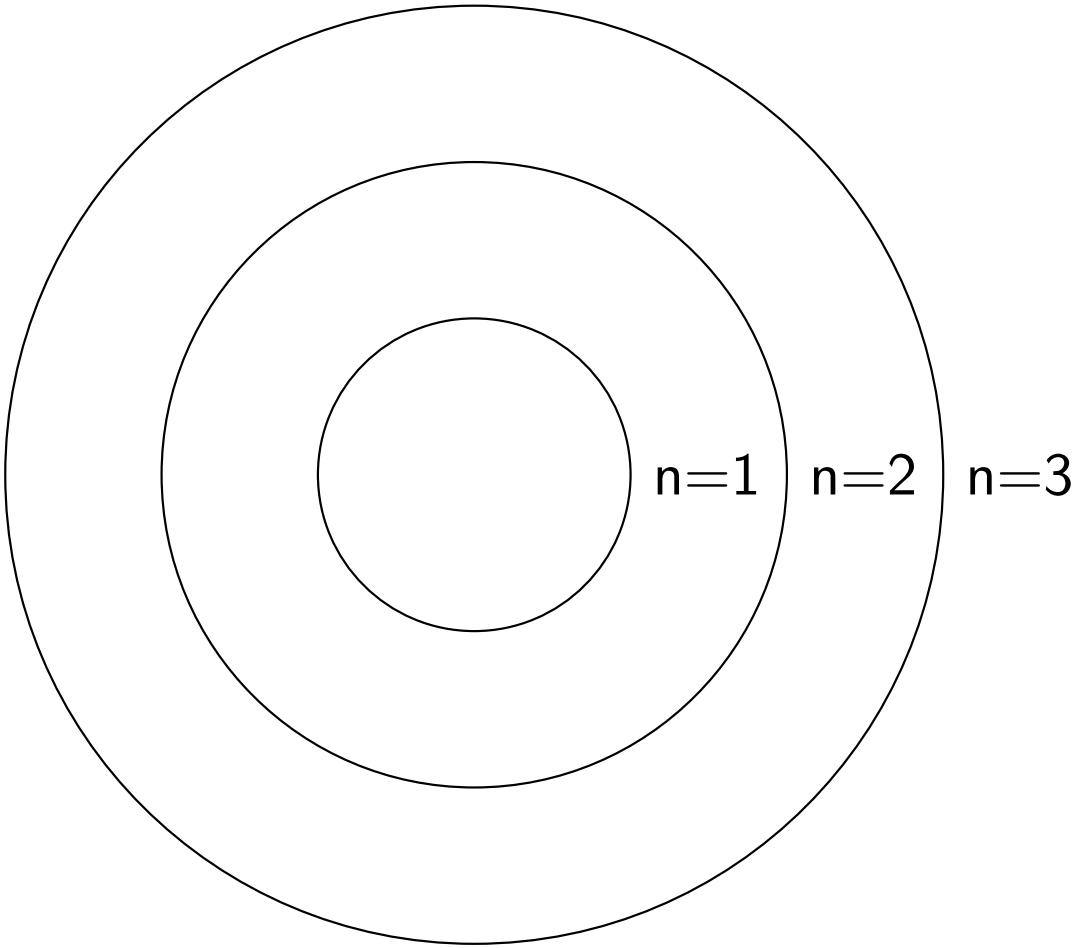
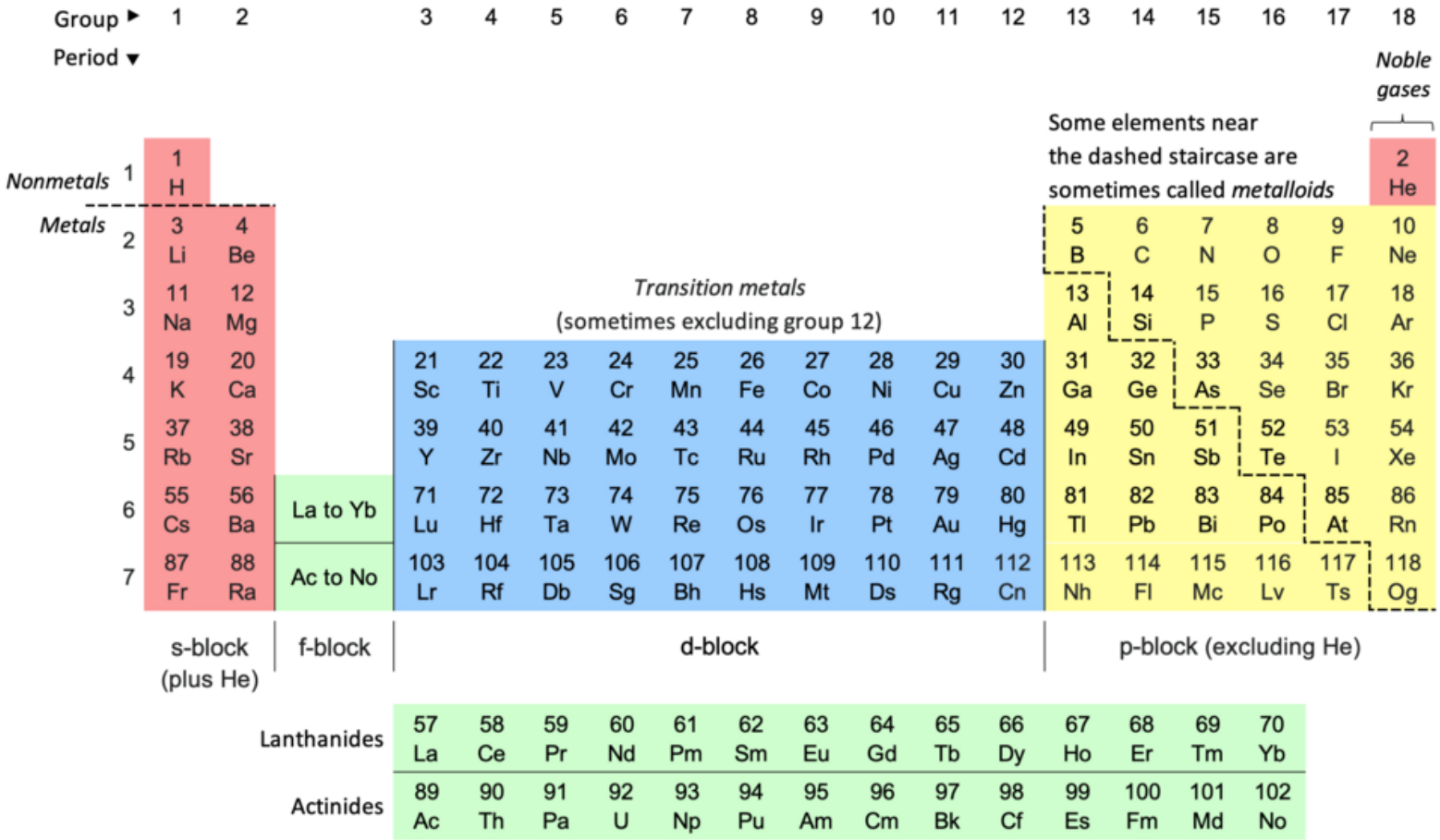
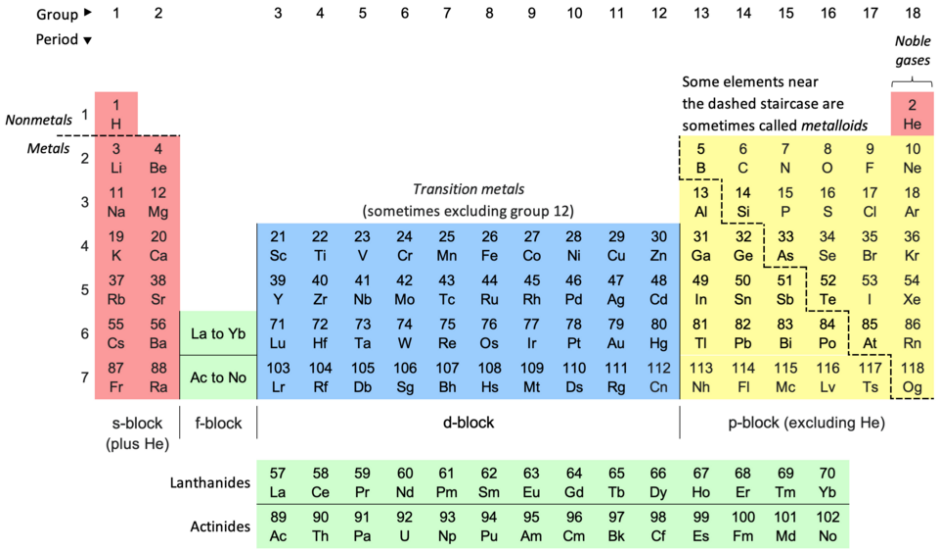
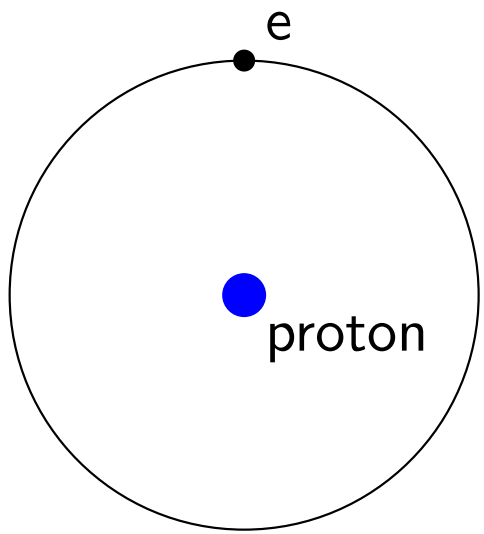


Energy Levels and the Periodic Table

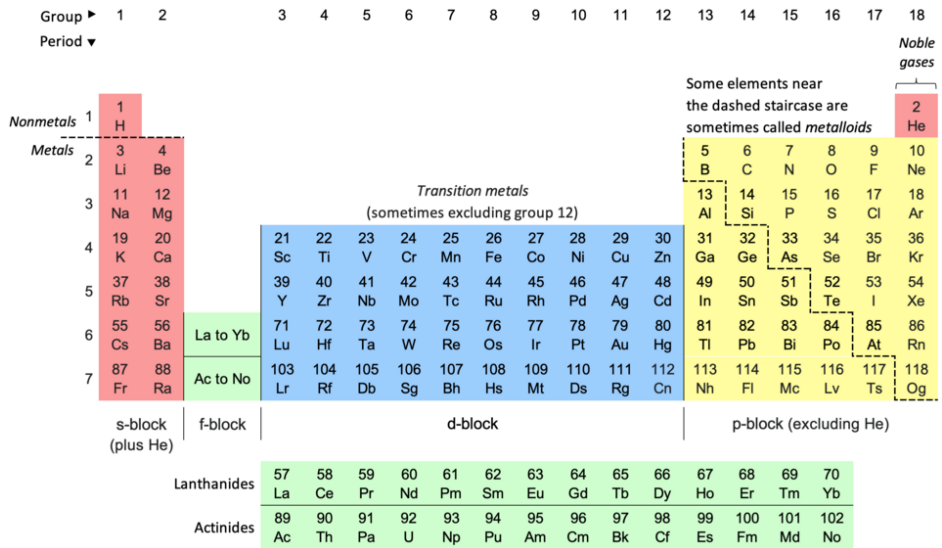


Energy Level of Hydrogen





Energy Level of Lithium



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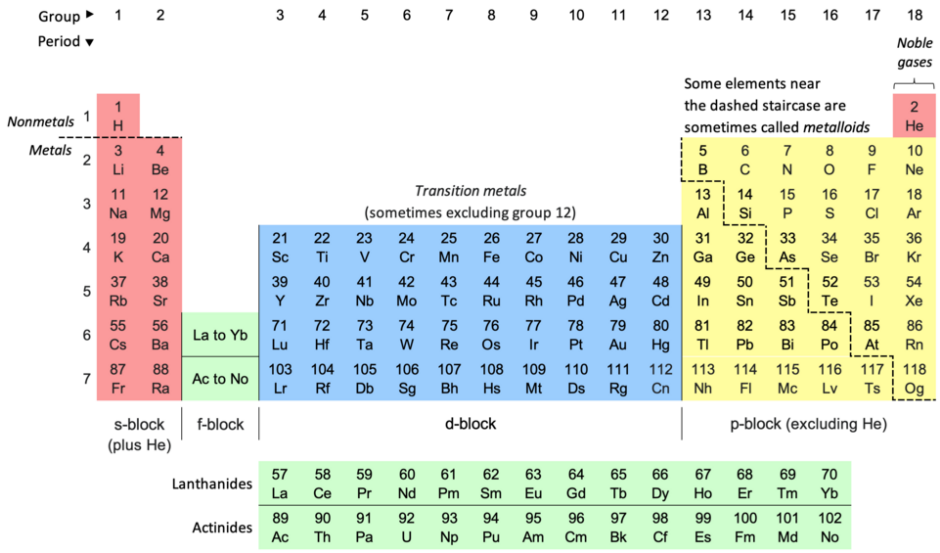

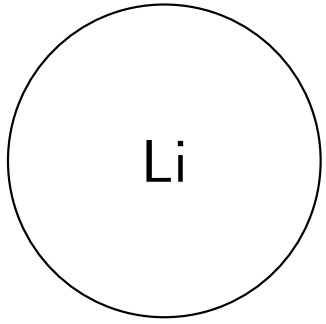

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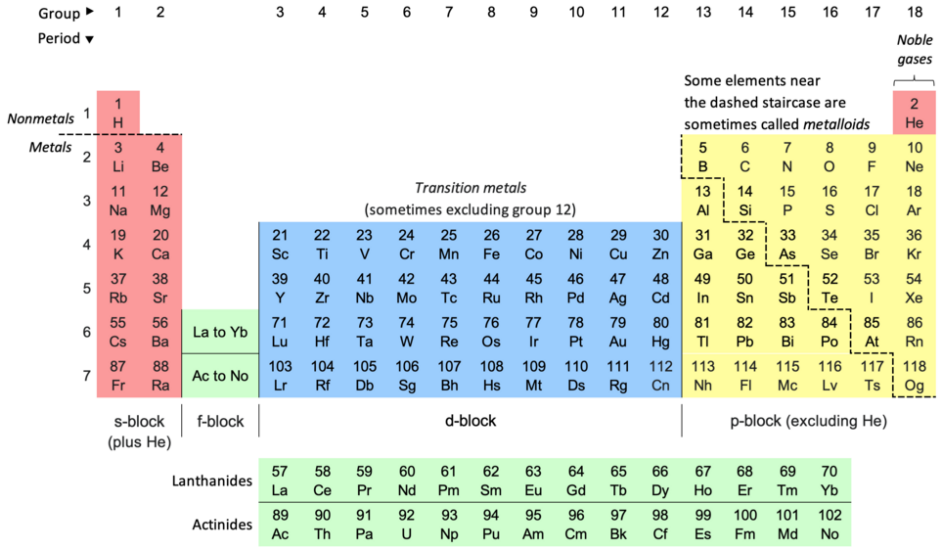
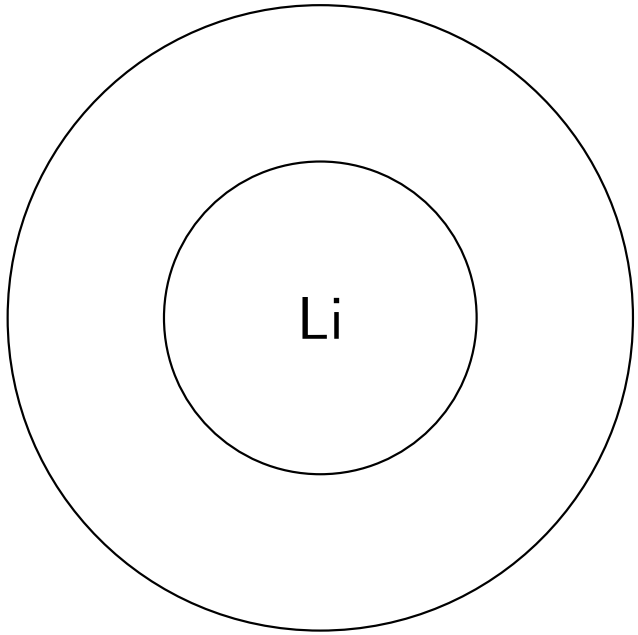
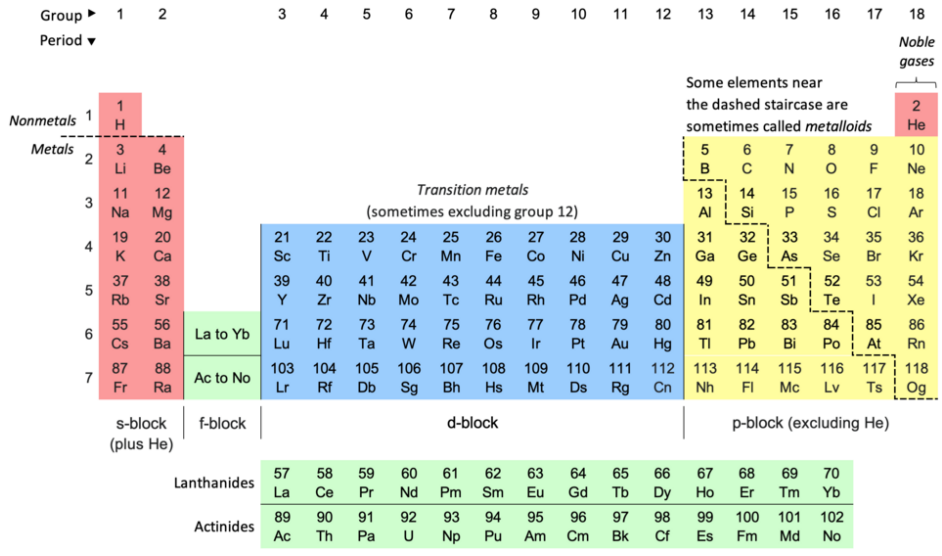




Energy Level of Sodium



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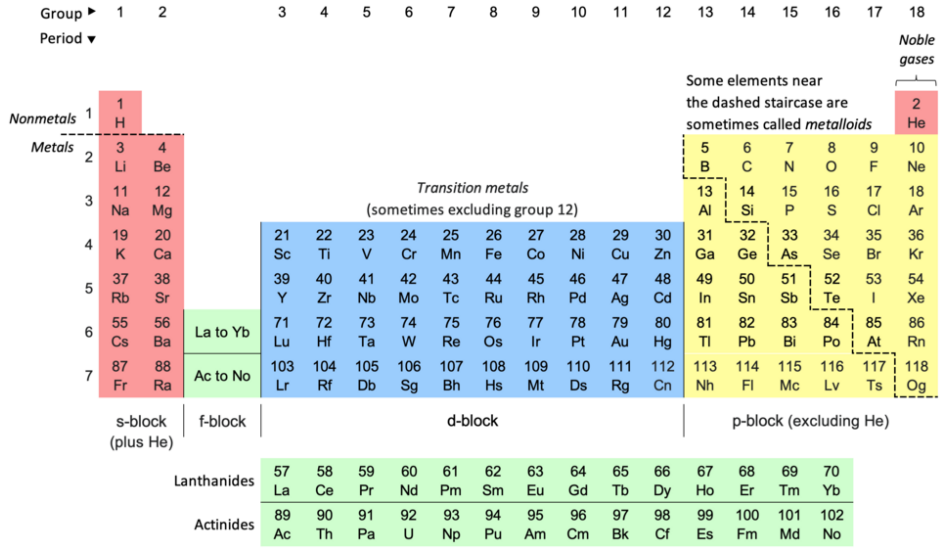

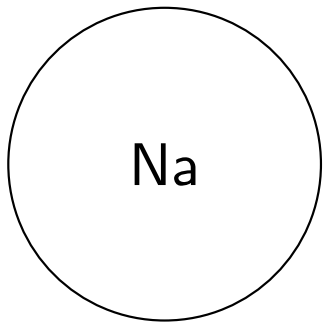

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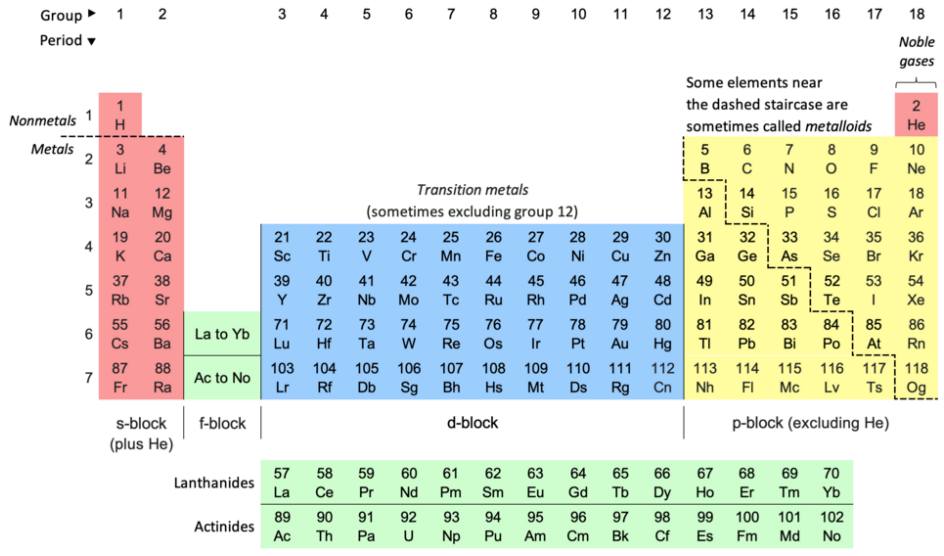

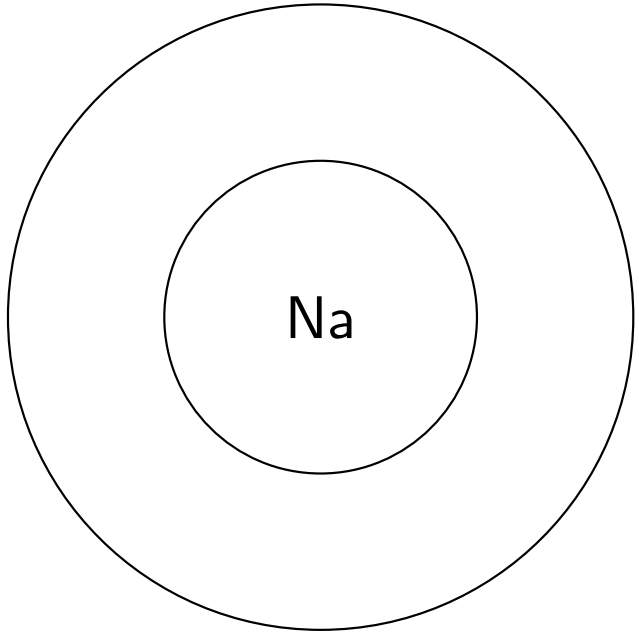

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