

Revision flashcards and flowchart

Education in Chemistry

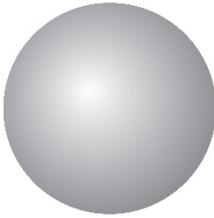
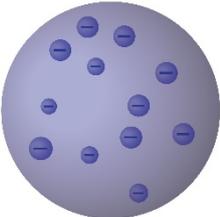
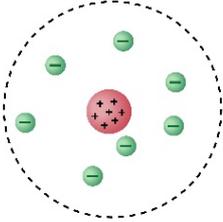
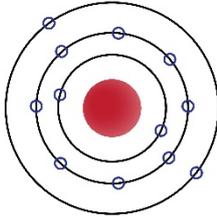
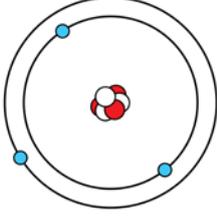
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Illustration aids understanding, which makes flashcards a useful revision tool. Students can place them in order on a flowchart or diagram; in this example, they will learn not only the details, but also how the details fit together. They can also combine this activity with self-explanation.

History of our understanding of atomic structure

Cut out the flashcards and then place them in order on the flowchart. Read each flashcard aloud to yourself, and explain the vocabulary and concepts.

FRONT	BACK	
Who?	Model	What?
John Dalton		Substances made up of atoms
JJ Thomson		Experiments with applying high voltages to gases at low pressure → electrons → Plum Pudding model
Ernest Rutherford		Gold foil experiment → electrons orbit nucleus which contains positively charged protons
Niels Bohr		The nucleus is in the centre and electrons orbit in different shells at set distances.
James Chadwick		Discovered the neutron

When	Who?	Model	What?
Early 1800s			
Late 1800s			
Early 1900s			
Early 1900s			
1930s			