



Basic Physical Chemistry I

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Q29

Summarize the principle of Mössbauer spectrometry.

Q30

Summarize the principle of x-ray magnetic circular dichroism (XMCD).

Q31

Estimate the energy and wave functions in benzene by using Hückel's approximation.
(Diagonalize 6×6 matrix.)

Q32

Explain the origin of branching in the Slater-Pauling curves in $3d$ transition-metal alloys.

Q33

Explain the principles of bi-polar transistor and field-effect transistor.

Q34

Explain about your research if relates to spectroscopy.