Atomic spectra and selection rules

GRE Subject Test · GRE Physics · Vocabulary in context

Word	Example
quantum numbers	The **quantum numbers** n, l and m label an electron state. n、l m
selection rules /sɪ'lekʃn ru:lz/	The **selection rules** allow only some jumps between levels.
ionisation energy /ˌaɪənaɪ'zeɪʃn 'enədʒi/	The **ionisation energy** of hydrogen is 13.6 eV. 13.6 eV
spectral series	The Balmer lines form one **spectral series** of hydrogen.
metastable /ˌmetə'steɪbl/	A **metastable** state lasts much longer than ordinary excited states.
fine structure /faɪn 'strʌktʃə/	**Fine structure** splits one spectral line into two close lines.
Zeeman effect /'zi:mən ɪ'fekt/	The **Zeeman effect** splits lines in a magnetic field.

exercises.lol exercises.com.cn