

Problem sets & Summary topics

Chapter	# of selected problems	Summary topics	
3	85, 90, 95, 101, 104	Electronegativity	VSEPR
4	49, 51, 53, 59, 60	Wave-particle duality	Schrödinger's and Bohr's interpretation on the wavefunction
5	44, 48, 50, 53, 57	Valence electrons and periodicity	Wavefunctions for multielectron system
6	65, 70, 71, 73, 74	LCAO & MO	Hybrid orbital
7	37, 39, 40, 41, 43	Structural isomer	Stereoisomer
8	51, 59, 61, 68, 69	CFT	MO bonding theory
9	71, 73, 78, 88, 89	Kinetic theory of gases	Real gases
10	61, 62, 66, 67, 70	Phase diagram	Bulk properties by intermolecular forces
11	69, 71, 74, 77, 84	Colligative properties	Distillation & azeotropes