Most important 5 marks for chemistry class 11

CHAPTER 1

1. **Empirical formula problems**

CHAPTER 2:

1. Bohr atomic model
2. Rutherford atom model
3. De-broglie equation

CHAPTER 3:

1. Pauli's method of calculating ionic radius

CHAPTER 4:

1. Covalent hydrates

CHAPTER 5:

1. Similarities between beryllium and aluminum

CHAPTER 6:

1. Boyle's law, charles law, avogadro law, gay lussac law

CHAPTER 7:

1. Internal energy- problems
2. Born haber cycle : i) Nacl born haber ii) cacl2 born haber
3. Characteristic of Gibbs free energy
4. Various statements of second law of thermodynamics

CHAPTER 8:

1. Relation between Kp and Kc
2. Kp and Kc for NH3 (ammonia)
3. Kp and Kc for HI (hydrogen iodide)
4. Kp and Kc for pcl5

CHAPTER 9:

1. MO diagram for o2, n2, co
2. Postulates of VSEPR theory
3. VSEPR theory- Molecular geometry and other problems

CHAPTER 14:

1. Sn2 mechanism
2. Sn1 mechanism
3. e1 and e2 mechanism