Topics list for Chapter 7 and 8 Quiz

Charges of ions on different groups of the periodic table.

Physical and Chemical properties of substances with covalent, ionic and metallic bonding.

Formula units vs. atoms vs. molecules to refer to units of matter with different bonding.

Naming compounds from formulas and formulas from compounds.

Intermolecular forces: dispersion forces, dipole interactions and hydrogen bonding.

Lewis diagrams:

-lone pairs and bonded pairs. -shapes of molecules.

-bond polarity. -molecular polarity.

Electron transfer in ionic bonding.

Creating visual representations of ionic lattice and metallic bonding with written description.

Valence electrons on a neutral atom.

The octet rule.

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