

# *The Big Picture*

*electronic structure*



*bonding*



*state of aggregation*

Bohr atom

Bohr-Sommerfeld

quantum numbers

Aufbau principle

multielectron atoms

Periodic Table patterns

octet stability

primary:

① ionic

② covalent

③ metallic

④ van der Waals

secondary:

① dipole-dipole

② London dispersion

③ hydrogen

gas

liquid

*solid*



3.091 ☺

classifications of solids:

① bonding type

② atomic arrangement