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SOLIDS → AMORPHOUS

- No regular repeating pattern

CRYSTALLINE

⇒ 3D repeating geometric pattern

- Ice's "waxes, plastics, glass, asphalt"

MOLECULAR ⇒ IMP's < ice>

- Limp
- Soft, Crumbly

COVALENT (NETWORK)

⇒ Covalent → diamonds, bonds, gem

⇒ Hard

IONIC

⇒ Ionic Bond

⇒ Rocks

- Brittle, hard - nonconducting as solids

METALLIC

⇒ Metallic Bond

- Malleable, ductile
- "Shiny"
- Conductors
- "Iron"
**SOLIDS** ➔ **AMORPHOUS**

- No regular repeating pattern
- IMFs: waxes, plastics, glass, asphalt

**CRYSTALLINE**

⇒ 3D repeating geometric pattern

**MOLECULAR** ➔ **IMFs (< ice>**

- Soft, crumbly

**COVALENT** (NETWORK) ➔ **COVALENT** → diamond, bonds → gem

- Hard, tough

**IONIC** ➔ **IONIC BOND**

- Hard, brittle, nonconducting as solids
- Conducts as molten or aqueous

**METALLIC** ➔ **METALLIC BOND**

- Workable, ductile
- "Shiny"
- Conductors
- Malleable