

+ Eg. —————
 Iron reacts with oxygen,
 forms Iron (II,III) oxide
 when strongly heated

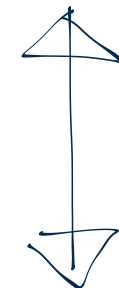
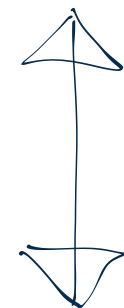
— describes substances
 changing into/ reacting
 w/ other substances

— Chemical
 properties

————— Chemical
 change

— ≥ 1 new substance
 are produced

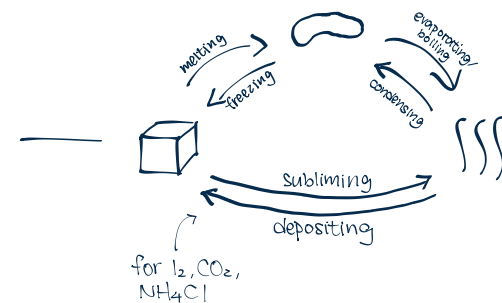
— eg. $\text{Fe} \rightarrow \text{FeCl}_2$ when
 reacting w/ HCl



— Physical
 properties

————— Physical
 change

— no new substance
 are produced



1. appearance (colour + state)
 2. smell (odour [less]?)
 3. density $>$ or $<$ than
 4. melting / boiling point
 5. hardness / strength
 6. solubility in ...
 7. conductivity (electrical / thermal)
 8. malleability & ductility
 (crolled \rightarrow sheets) (pulled \rightarrow wires)

— determined w/o
 having to change
 to new substances