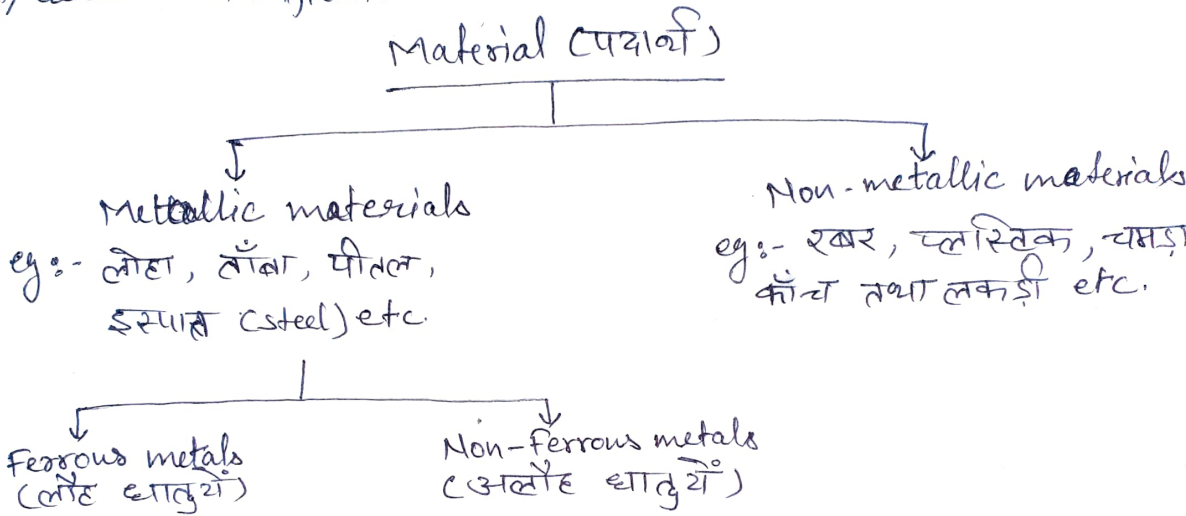


Chapter 1: Properties of materials

⇒ classification of Materials:

- A) General classification
- B) Industrial "
- c) classification based on utility
- d) classification based on fabrication methods

⇒ A) General classification:-



⇒ B) Industrial classification:-

⇒ Mechanical properties of materials :-

- a) Elasticity
- b) Plasticity
- c) Toughness
- d) Stiffness

- e) Ductility
- f) Malleability
- g) Hardness
- h) Brittleness

- i) Flexibility
- j) Strength
- k) Machinability
- l) Tenacity

- a) Elasticity → Resist to deformation
- b) Plasticity → Deform without Break
- c) Ductility → U can make thin wire

H.W

- 1) इन्जीनियरी पदार्थों का वर्गीकरण कीजिए।
- 2) प्रत्यास्थ पदार्थ तथा प्लास्टिक पदार्थ में अन्तर बताइये।