

# Nanomaterial Revision.

1. Define - Nanomaterials, Nanoparticles.
2. Reasons for change in properties
  - (i) Surface area to volume ratio increases
  - (ii) Band gap changes
  - (iii) Quantum Confinement
3. Classification of nanomaterials
  - Based on nature of material
    - (i) Metal based
    - (ii) Carbon "
    - (iii) Dendrimers
    - (iv) Composites
  - Based on dimensions involved in nanoscale
    - 1-D, 2-D, 3-D
    - (give example of each)
4. Salient properties of nanomaterials
5. Applications & Risks of nanomaterials.