2. The First Industrial Revolution in Britain and the United States, 1790-1860

What is it?

Industrialism vs. industrialization
• Industrialism is a broad term
  → An organization of society that operates by mechanism
• Industrialization
  → The process in which a society or country transforms itself from a primary agricultural society into one that is based on the manufacturing of goods and services

What happened before?
• Humans have been using all types of techniques and mechanisms to lessen labour and work
• Craftsmanship was fantastic
• Problems were:
  1. Production vs. consumption
  2. Costly to produce on a mass scale
• Problems begin to change
  → Industrial revolution
• First revolution begins in Britain around 1750’s
  → Gains momentum, and spreads all over the world
  → Use of coal and steam as a use of energy
  → Factory, telegraph, railroad
• Second revolution begins in Britain and America
  → Electricity
  → Electric trains, automobiles

The Industrial Revolution
• Term was first used in early 1880’s
• Name given to the movement in which machines changed people’s lives, as well as their methods of manufacture
• Changes that brought about the I.R.
  1. The invention of machines to do the work of hand tools
  2. The use of steam, and later other kinds of power, in place of the muscles of human beings and of animals
  3. The adoption of the factory system
• Was gradual
• Origins: England was the most well place for I.R. to occur
  → Mechanical experiments
  → Agricultural revolution
    o Methods of techniques sees revolution
    o Use of new minerals (coal)
    o Steam power: pumps, etc. to power textile machines
  → Rich supply of minerals
    o Coal instead of charcoal → charcoal is made from burning trees
    o Limestone