What is a PCB?

•What is it made of

•printed conductive material on nonconductive material  
 •copper sheet, copper foil, insulating glass fibre, aluminium sheet, resistive mask

•Name some important steps in production

•holes drilled, so components can be placed on the board

•design sheet in 3d

•clean it

•etching process: dipped in alkaline solution

•uv printed mask

•quality check

•silk screen

•soldering components

•testing pcb connections

•Why is it green?

•solder mask ­coating, to safe against dust, oxidation

* What is it made of?
  + copper flat sheet + insulating fibre glass

* Name some important steps in production.
  + copper flat sheet laminated on insulating fibre glass
  + registration holes are drilled
  + PCB is being designed ->Gerber files
  + drilling holes -> there to attach components
  + board is cleaned
  + coppertraces are produced
    - etching
    - resistive mask is attached
    - dipped into alkaline solution
    - mask is washed off
    - inspection
  + silk screen is printed
  + components are soldered
  + flying probe testing

* Why is it green?
  + protection from oxidation and dust