Post-Introduction Assessment

Flexible Circuits Fabrication Cycle

On the cycle diagram below, write in the photolithography fabrication process steps in the correct order.



Terminology

Instructions: Draw lines to match each photolithography step with its corresponding description.

otolithography Step	Description
ning impurities	A method of depositing thin films of a conducte material by way of eroding a "target" source of a non-conductor "substrate." This is typically accomplished by bombarding the "target" (sou of deposition material) with inert gas atoms. Atoms on the "target" flies to the "substrate."
light exposure	A wafer coated with a thin conductor is covere with UV light-sensitive liquid by spin coating; th viscous liquid solution is dispensed onto a rapio spun wafer to produce a uniformly thick layer.
stripping	Organic / inorganic contaminations are usually removed by wet chemical treatment, based on solutions containing hydrogen peroxide. Other solutions made with trichloro-ethylene, acetor or methanol can also be used.
toresist coating	The photoresist that chemically reacted is removed from the substrate. This usually requi a liquid resist stripper or developer, which chemically alters the photoresist so that it no longer adheres to the substrate.
etching	The use of a solvent called a stripper to remove the photoresist and any of its residues.
utter deposition	UV light passes through a mask (a print of the circuit to be transferred to the wafer) placed o the conductor coated wafer. Light causes a chemical change on the photoresist over portion not covered by the mask.
otoresist removal	Using a liquid ("wet") or plasma ("dry") chemic agent, the uppermost layer of the conductor substrate is removed in the areas that are not protected by the photoresist.