Bioprinter: input program, cells; output cells, structure to scaffold

Scaffold: input cells in structure, nutrients to grow cells, additives, output single layer of cells to substrate

Substrate: input layers of cells desired, fluids and nutrients, additives, preservatives; output plurality of layers -- leather to shaper

Shaper: input leather, program; output shaped leather

Tanner: input shaped leather, chromium (III) sulfate, color dye, odor, output final product -- change in pH!!!