8. OLED, Green Chemistry (rough)

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OLED

Organic Light Emitting Diode

Features

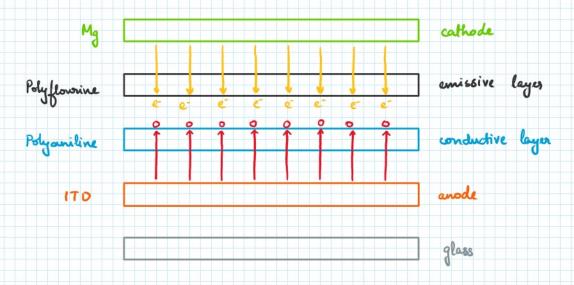
- · High contrast
- · Low hower consumption
- · Ilenibility
- · Widen viewing angles

Anode: Indium tin oxide (1TO) --- produces holes

Conducting layer: Polyaniline -> transports hales from the anode]-> brown colour

Emissive layor: Polyfluorine -> transports e from cathode J-> blue colour

(athode: Mg -> produces e



Applications

TVs, mobile phones, monitors etc.

GREEN CHEMISTRY

1 Brevent wastage

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 2 Atom economy
 3 dafer synthesis
 4 safer horoducts
 5 Design for beingn chemicals
 6 Design for degradation
 7 Design for energy officiency
 8 use Renewable fuel stock
 9 Reduce derivatives
 10 Catalysis
 11 Accident prevention
 12 Pollution prevention