

# Transformation Cassettes



- *Agrobacterium*



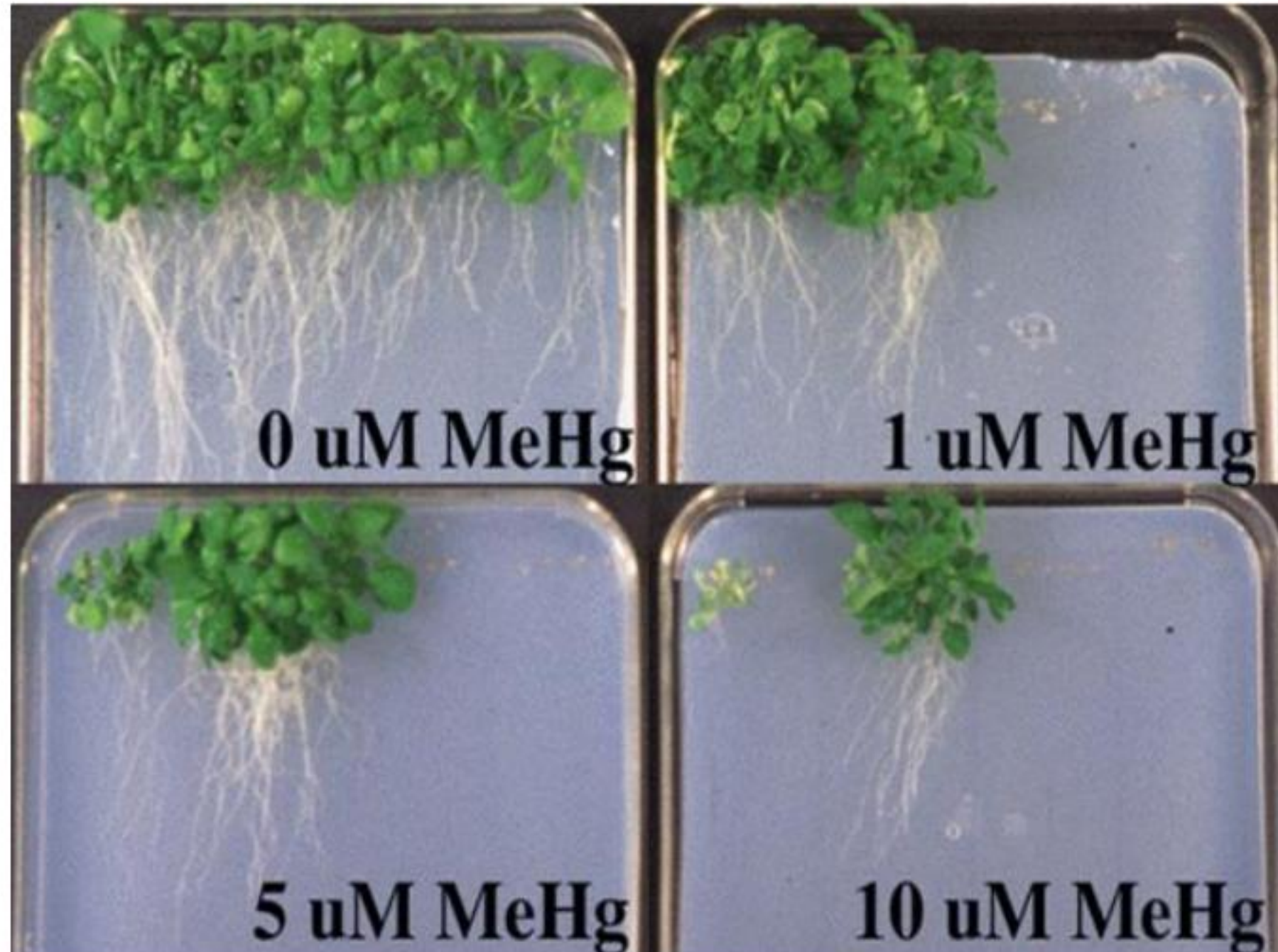
- Gene Gun



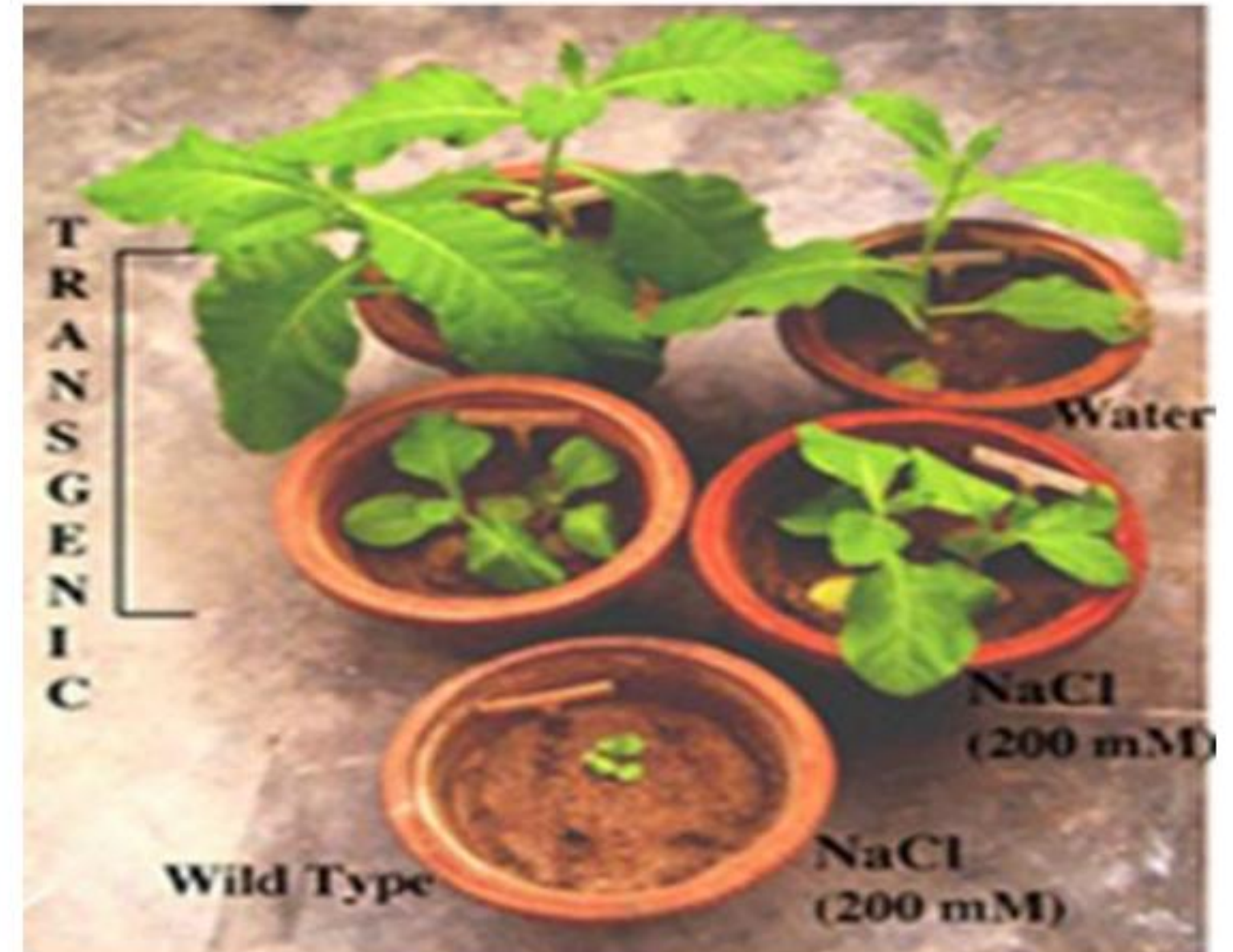
Tissue culture  
required to generate  
transgenic plants

# Modern Examples

## Mercury Resistance



## Salt Tolerant



## **Insect Resistance**



## **Cold Tolerance**



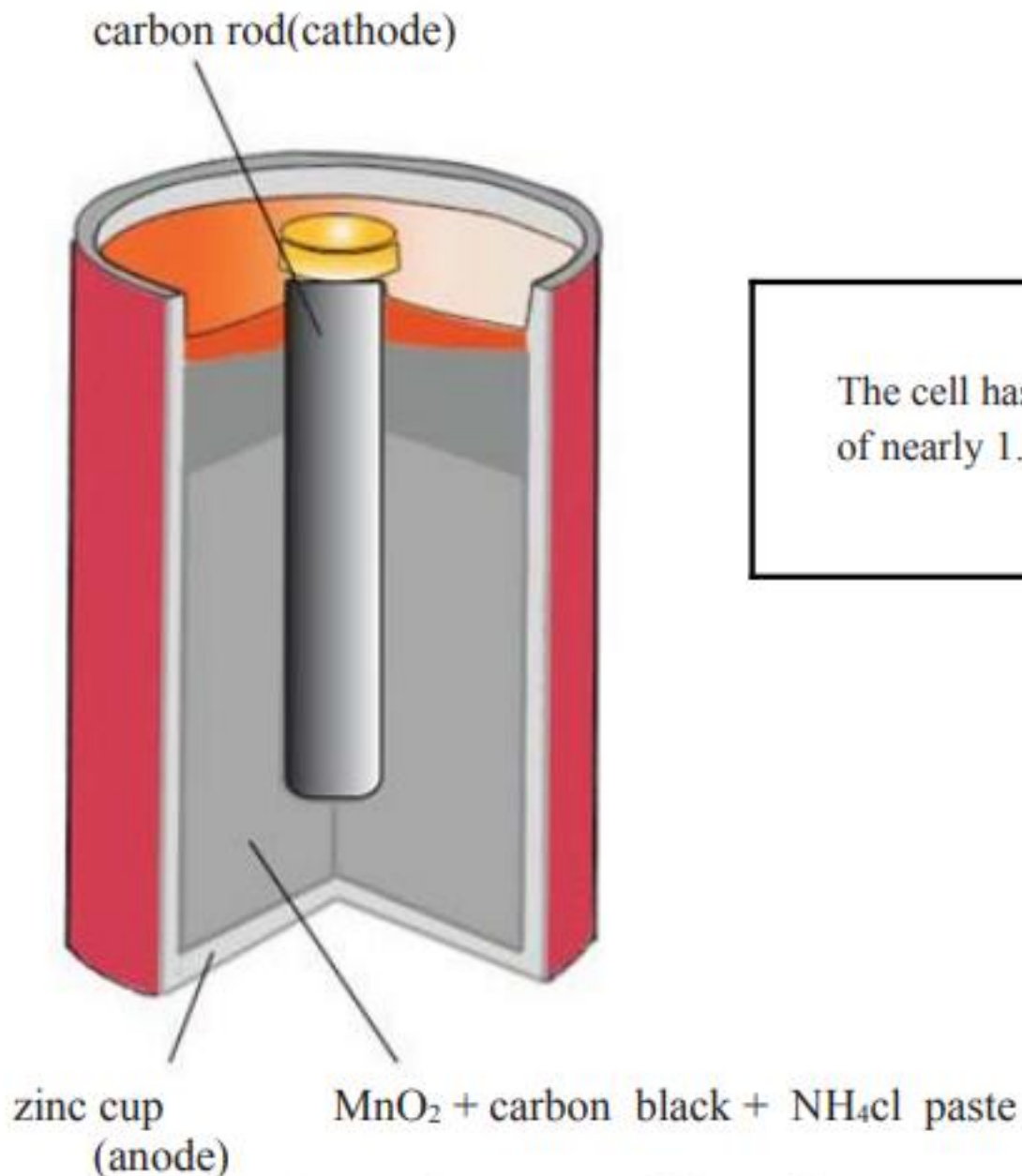


*Fig. A commercial dry cell consists of a graphite (carbon) cathode in a zinc container; the latter acts as the anode*

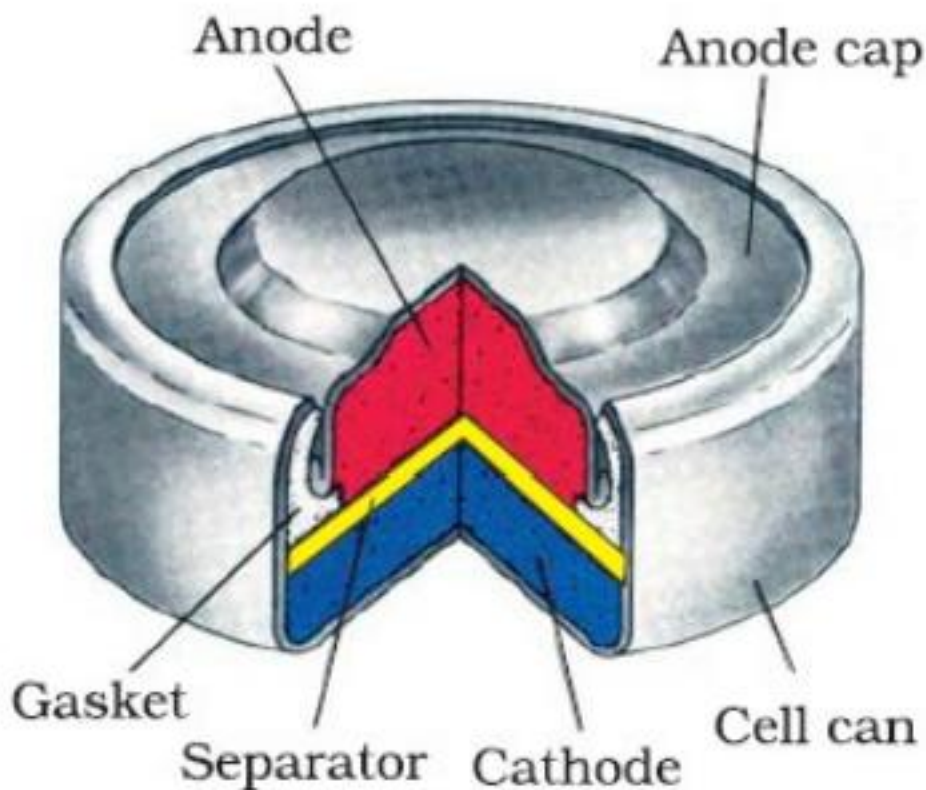
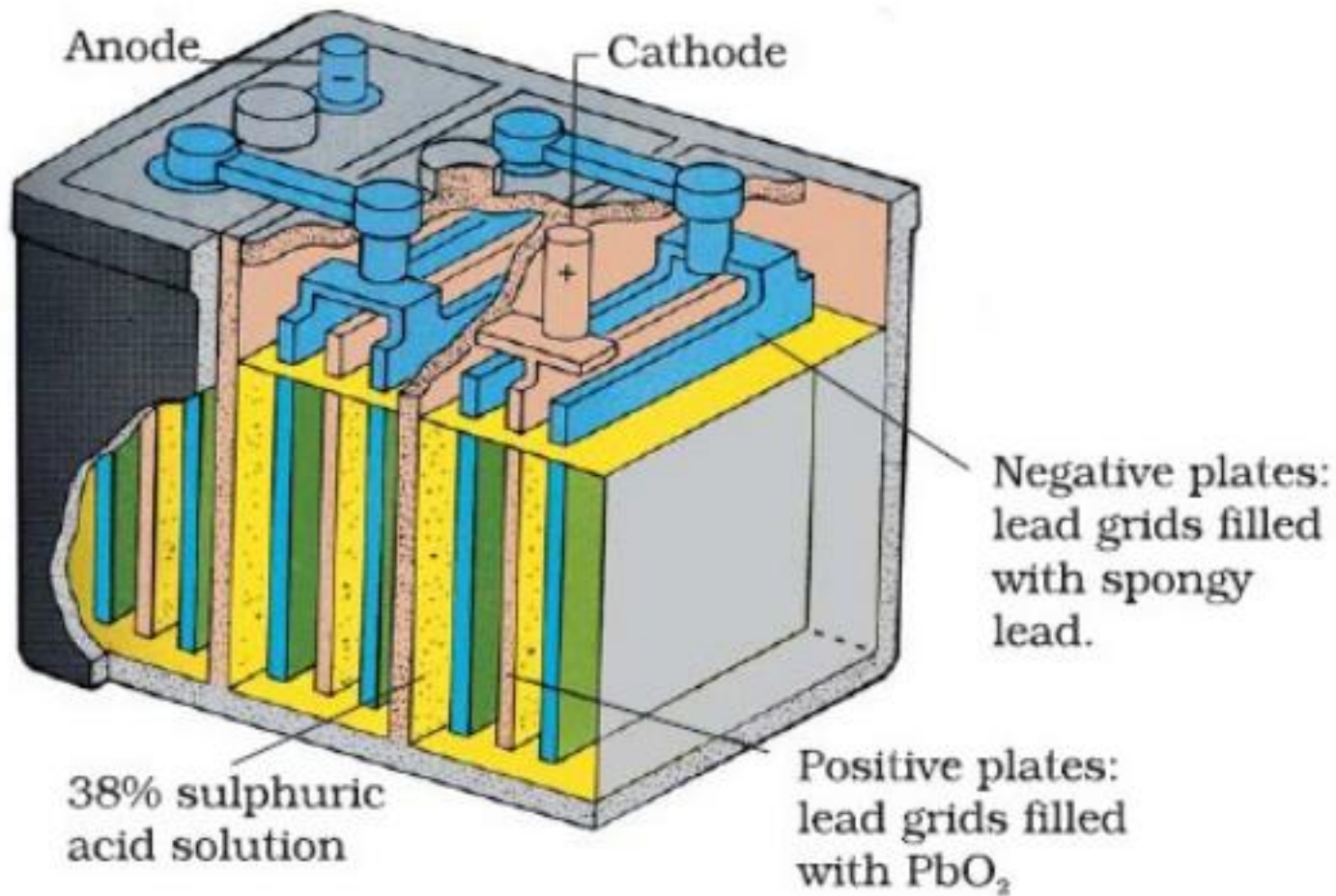
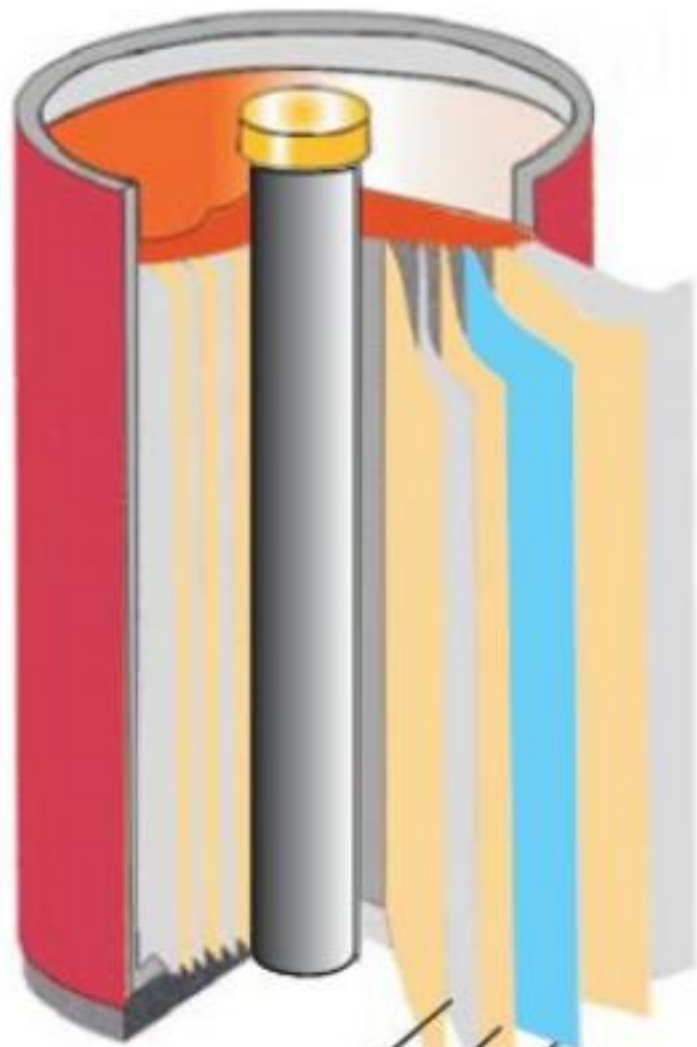


*Fig.* Commonly used mercury cell.  
The reducing agent is zinc and the  
oxidising agent is mercury (II) oxide.



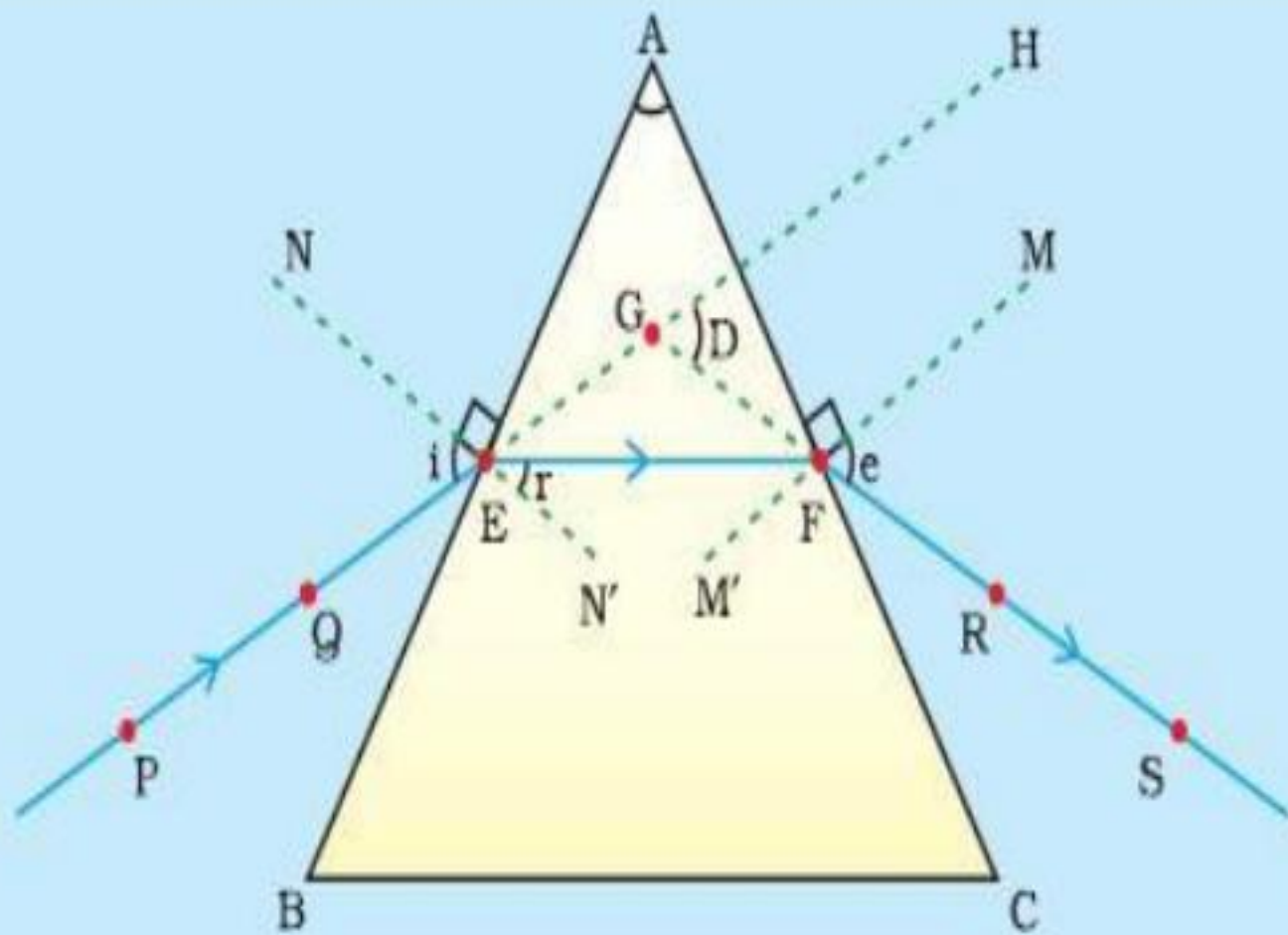


Positive plate

Separator

Negative plate





$PE$  – Incident ray  
 $EF$  – Refracted ray  
 $FS$  – Emergent ray  
 $\angle A$  – Angle of the prism

$\angle i$  – Angle of incidence  
 $\angle r$  – Angle of refraction  
 $\angle e$  – Angle of emergence  
 $\angle D$  – Angle of deviation