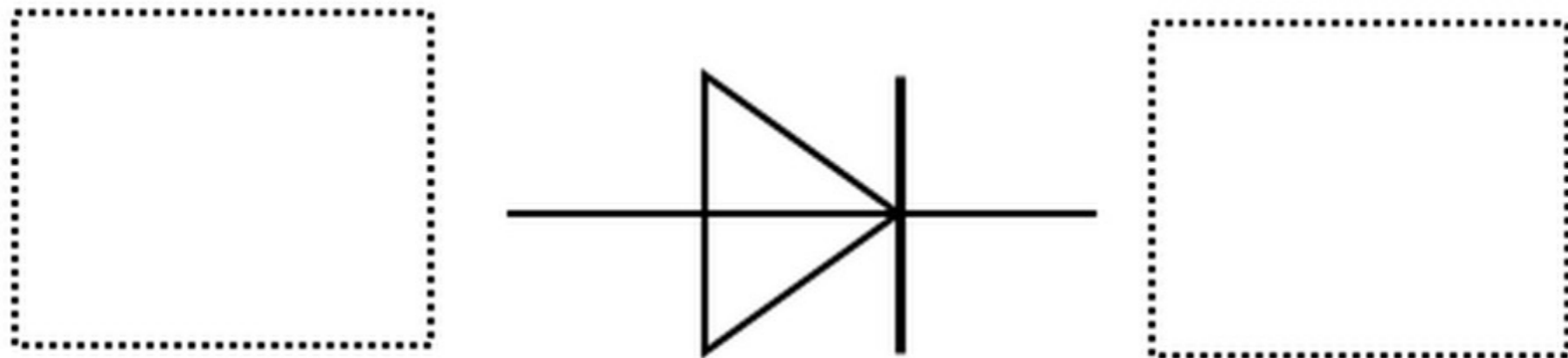


# Díóður



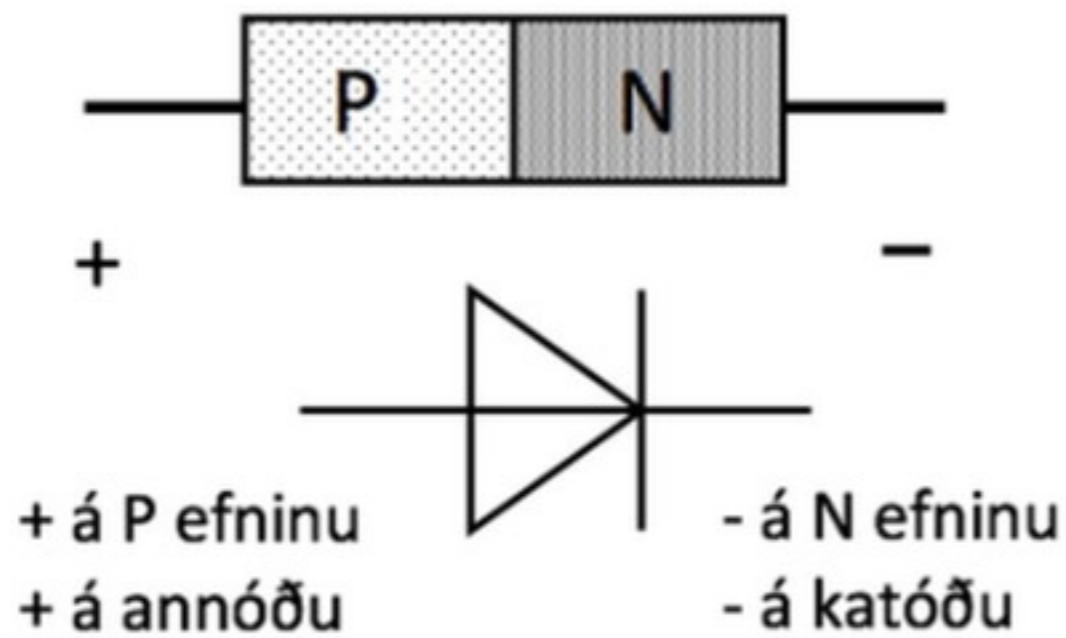
# Draw It

Merkið skautin (endana) á díóðunni með réttum heitum.

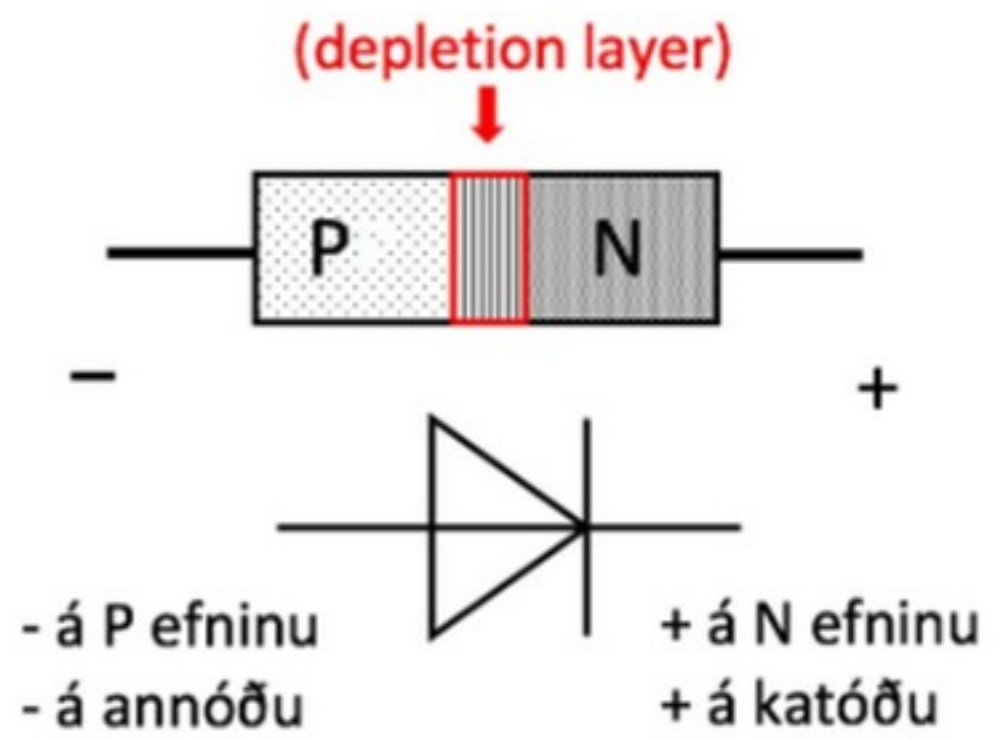


# P- og N-efni , forspenna/bakspenna

Forspennt díóða leiðir



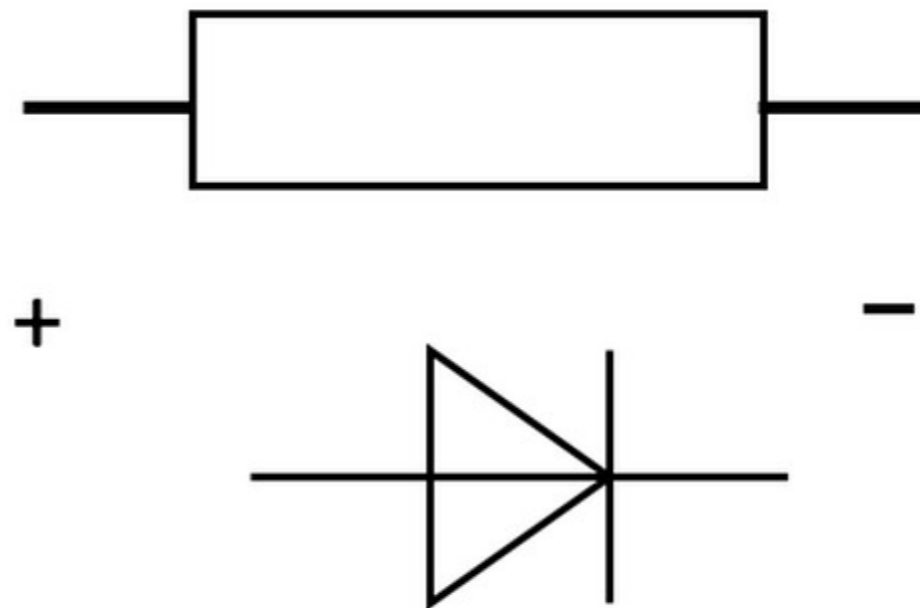
Bakspennt díóða myndar hindrunarsvæði



Munum: ef við setjum - á P og + á N þá myndast hindrunarsvæði

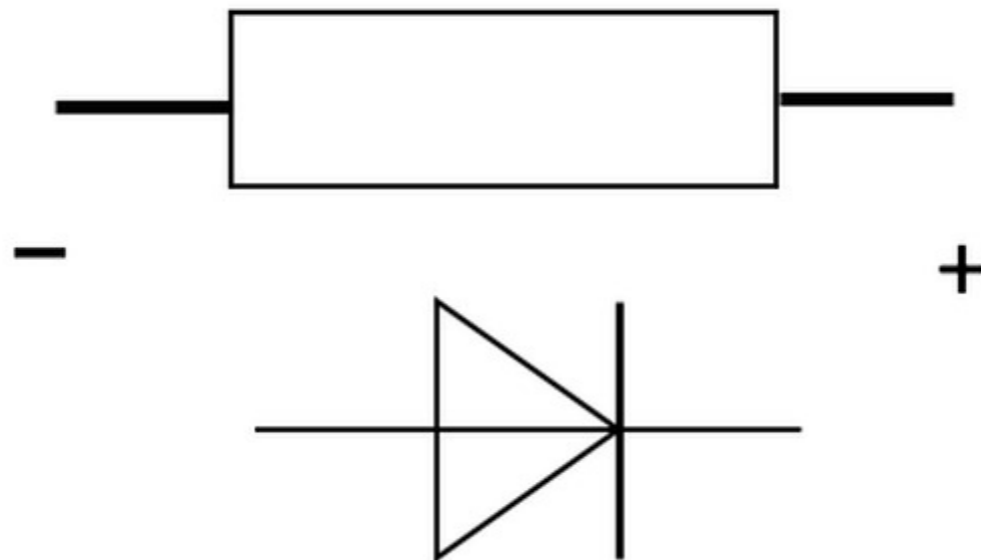
# Draw It

## Forspennt díóða



# Draw It

## Bakspennt díóða





# Tákn fyrir nokkrar díóður



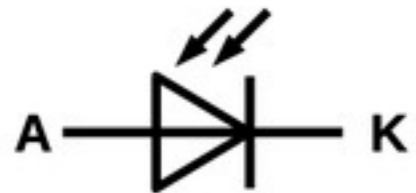
- Almennt tákn



- Zener díóða



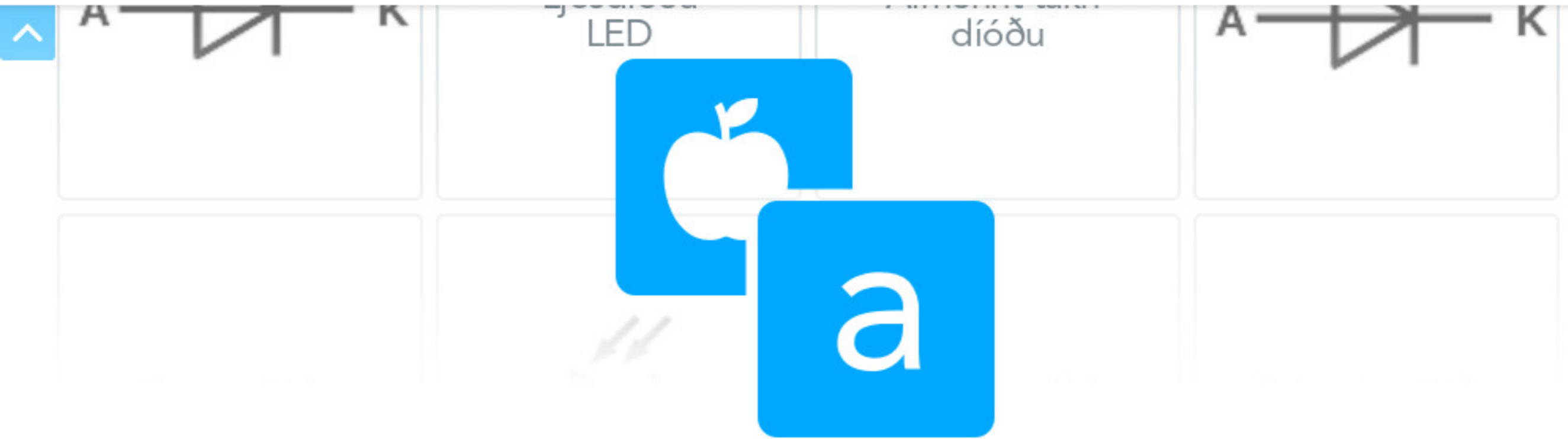
- Ljósdíóða, LED (Light Emitting Diode)



- Ljósnaem díóða (Photo diode)

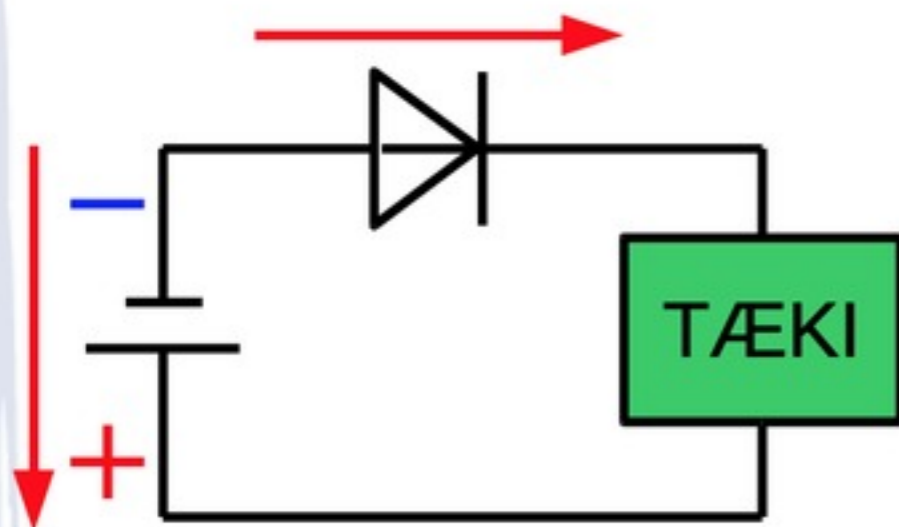
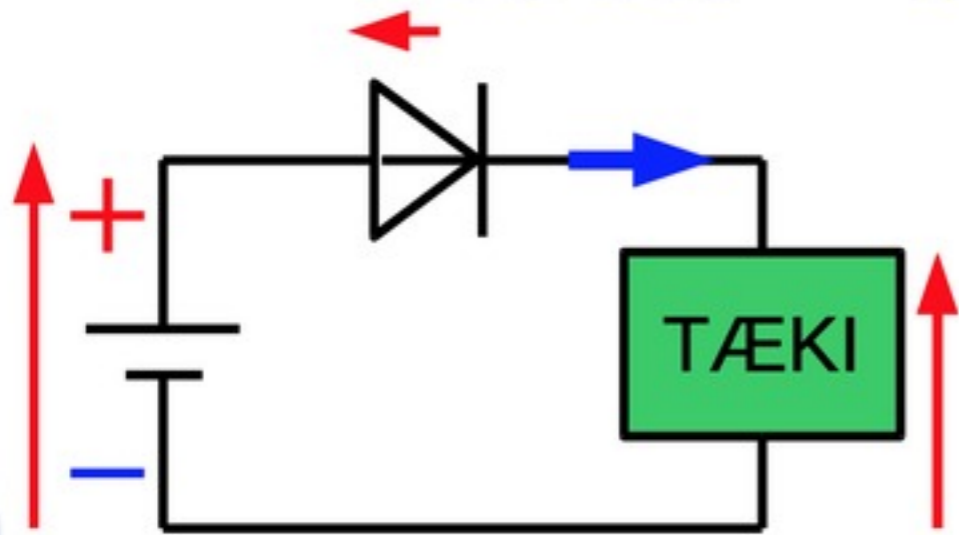


- Schottky díóða



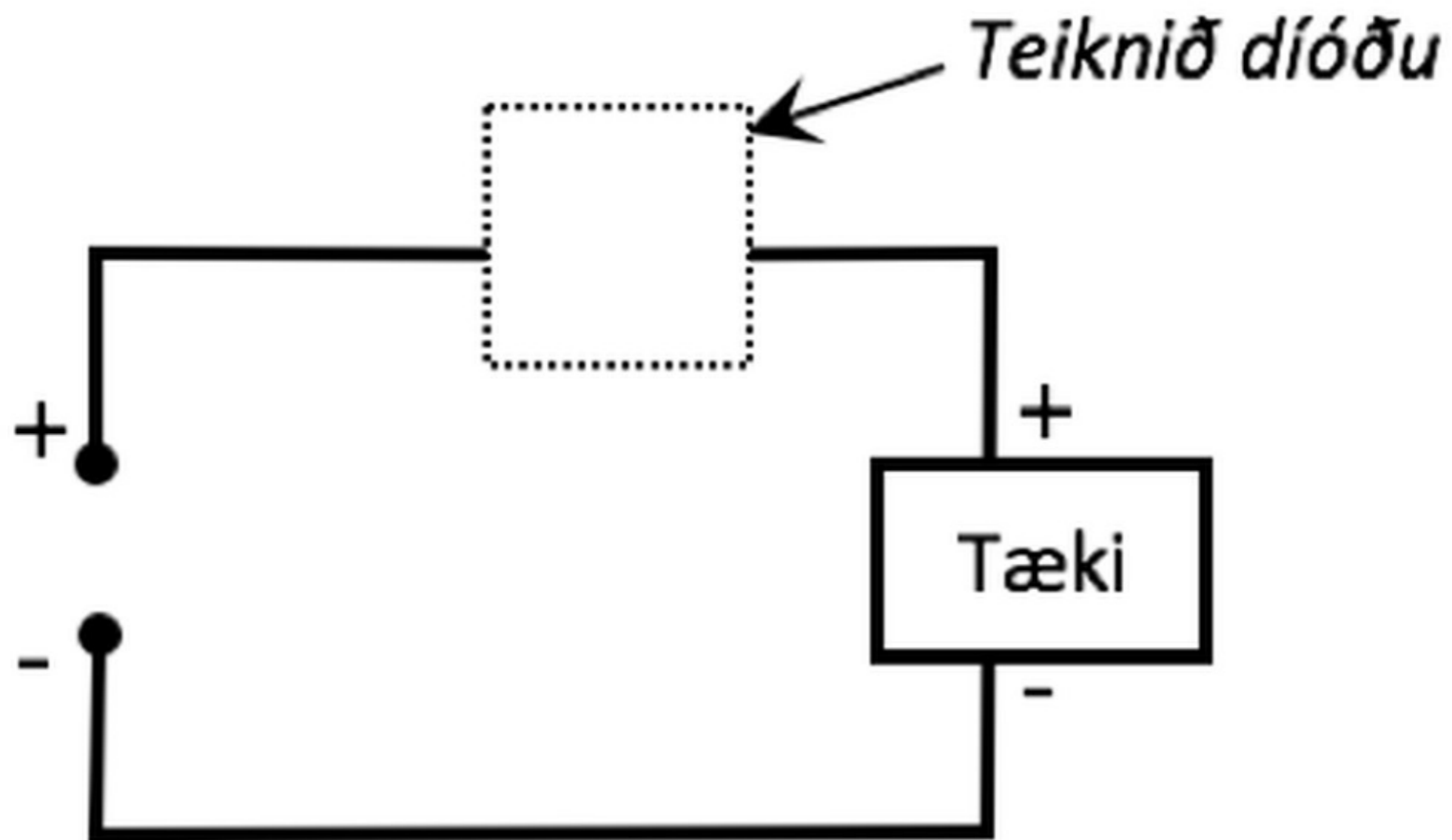
## Matching Pairs

# Díóða = umpólunaryörn 1



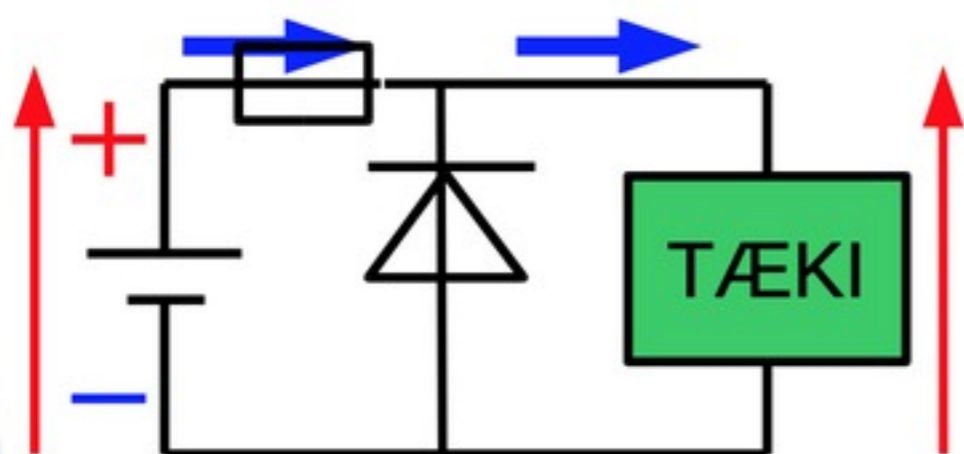
- Batterí og tæki snúa rétt
  - Tækið fær straum
  - Tækið fær ekki alveg fulla spennu (galli)
- 
- Batterí snýr öfugt
  - Tækið fær ekki straum

# Draw It

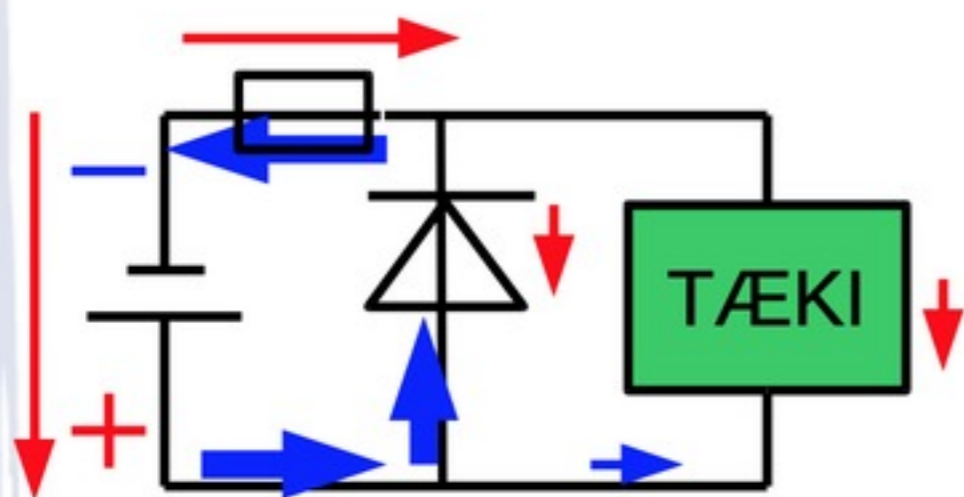




## Díóða = umpólunaryörn 2



- Batterí og tæki snúa rétt
- Díóða leiðir ekki
- Tækið fær allan strauminn og fulla spennu (kostur)



- Batterí snýr öfugt
- Díóða leiðir strauminn framhjá tæki
- Mikill straumur => öryggið brennur

# Draw It

