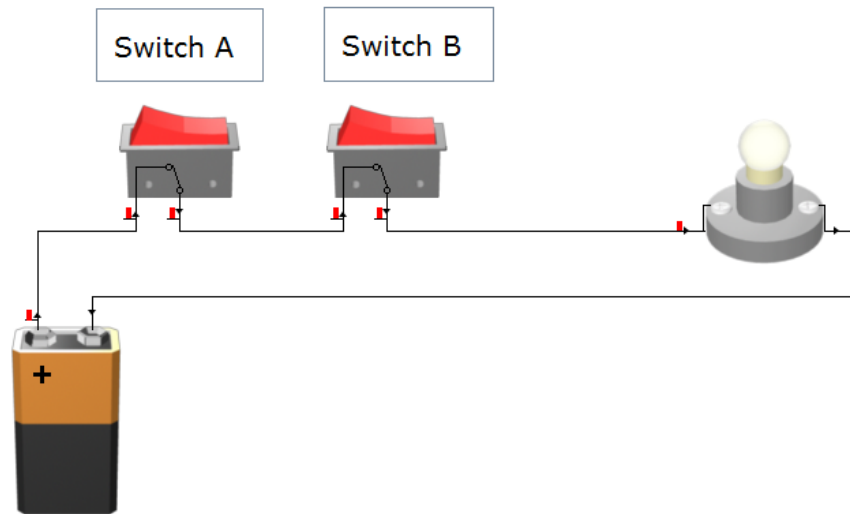# Notice the difference? When both switches are closed, the lamp glows.

This is called a AND circuit. Two switches are connected in series. Both A AND B must be closed for current to flow.

Switch A   Switch B


```
If Sw1 = True AND Sw2 = True Then
        PowerOn = True
Else
        PowerOn = False
End If
```