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Compare the brightness of the bulbs in case 1 and case 2. All bulbs and batteries are identical

a. 2 twice as bright as 1

b. 2 same brightness

c. 2 more than twice as bright as 1d. 2 produces no light

Why? Think like an electron.

In either battery in case two, the electron has the same Electric potential energy = EPE = q ΔV

Note: an electron doesn't get to go through both batteries, it's one or the other

Same energy to deposit in identical bulbs What is the difference then?







