



When the switch is open (no current flows through it) light bulbs 1 and 2 burn with equal brightness.

What will happen to the brightness of light bulb 1 and 2 when the third light bulb is turned on? (increase, decrease, stay the same?)

Light Bulb 1: Decrease ∴ Same ∴ Increase

Light Bulb 2: Decrease ∴ Same ∴ Increase