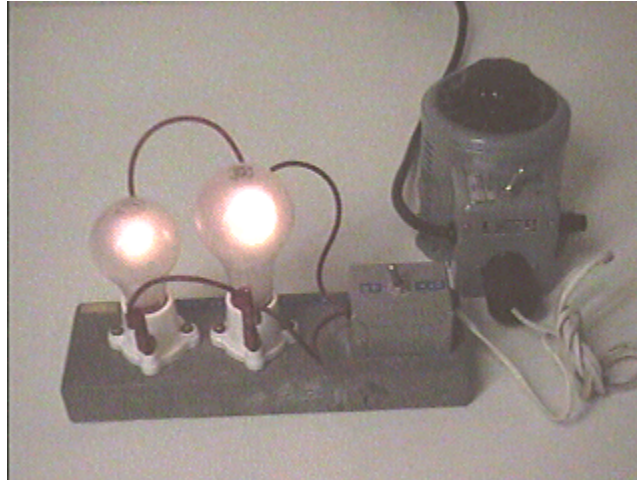


Question #27

Two light bulbs with different power (wattage) levels are attached in parallel (the usual way for household power distribution) across a 110 volt AC source. The higher power bulb (the larger bulb physically) glows more brightly, as seen in the photograph below.



Now suppose that the two bulbs are wired *in series* across the same 110 volt AC source. Which of the three possibilities given below will result?

- (a) The larger bulb will glow more brightly.
- (b) The smaller bulb will glow more brightly.
- (c) The bulbs will be equally bright.

Click here for [Answer #27](#) after August 28, 2000.

[Question of the Week](#)

[Outreach Index Page](#)

[Lecture-Demonstration Home Page](#)



For questions and comments regarding the *Question of the Week* contact [Dr. Richard E. Berg](#) by e-mail or using phone number or regular mail address given on the [Lecture-Demonstration Home Page](#).