

### Answer on question #53828, Physics / Electric Circuits

**Question** If a Kilowatt hour costs 25 cents, how much does it cost to light up a 20W low power light bulb continuously for 1 year?

**Solution** It will cost

$$20W \cdot 1\text{year} / (0.25 \cdot 1\text{kW}) = \frac{20 \cdot 86400}{0.25 \cdot 1000} = 6912 \text{\$}$$

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