

- 26** A source emits monochromatic light of frequency  $5.0 \times 10^{14}$  Hz at a rate of 0.10 W. The photons fall on the cathode of a photocell which gives a current of  $80.0 \mu\text{A}$  in an external circuit. You may assume that this current consists of all the photoelectrons emitted.

What is the percentage of the photons falling on the cathode which produces photoelectrons?

- A** 0.017%      **B** 0.17%      **C** 1.7%      **D** 100%