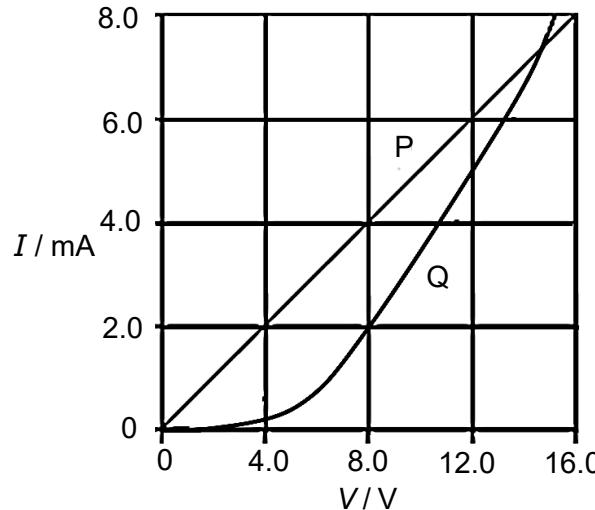


20 The I - V characteristics of two electrical components P and Q are shown below.



Which of the following statements is correct?

- A** P is an ohmic conductor and Q is a filament.
- B** Resistance of Q is always larger than resistance of P.
- C** At 2.0 mA, the power dissipated through Q is twice that of P.
- D** At the point where the two lines intersect the resistance of Q is approximately twice that of P.

21 The diagram shows a network of three identical resistors connected to a battery of negligible