Concept Question: Current Density

A current I = 200 mA flows in the above wire. What is the magnitude of the current density J?



Concept Question: Resistance

When a current flows in a wire of length *L* and cross sectional area *A*, the resistance of the wire is



- 1. Proportional to A; inversely proportional to L.
- 2. Proportional to both A and L.
- 3. Proportional to L; inversely proportional to A.
- 4. Inversely proportional to both L and A
- 5. Do Not Know

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