

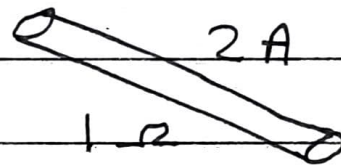
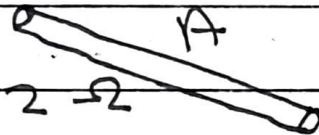
Answer 7:- Factors Affecting Resistance.

1. The length (L) of the material. Longer materials have greater resistance.

$$\frac{L}{1-\Omega}$$

$$\frac{2L}{2-\Omega}$$

2. The cross sectional area A of the material. Larger area offer LESS resistance.



3. The temperature T of the material. The higher temperatures usually result in higher resistance.

4. The kind of material. Iron has more electrical resistance than a geometrically similar copper conductor.