

Electrical Conductivity of Metals

1. What is metallic bonding?

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2. What keeps the metal atoms in a fixed position?

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3. Where do the free/delocalised electrons go?

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4. What do the electrons transfer when they flow?

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5. What is an electric current?

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6. What is needed to make the electrons flow in one direction rather than randomly?

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7. What is electrical conductivity?

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8. How many delocalised ions will a sodium ion have?

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9. How many delocalised ions will a calcium ion have?

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10. How many delocalised ions will an aluminium ion have?

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11. Out of the ions above, which will have the highest electrical conductivity and why?

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