

# **IB Physics Topic D4 Current and Circuits; SL & HL**

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## 4 Electromotive Force

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## 5 Electrical Resistance

### 5.1 Ohm's Law

### 5.2 Resistivity

### 5.3 Non-Ohmic Behavior

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## **6 Circuit Arrangements**

### **6.1 Series Connection**

### **6.2 Parallel Connection**

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## 7 Variable Resistors

### 7.1 Thermistors

### 7.2 LDR

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### 7.4 Potential Dividers and Potentiometers

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## 8 Cells and Batteries

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## 9 Internal Resistance

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## 10 Non-Ideal Cells — Power

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