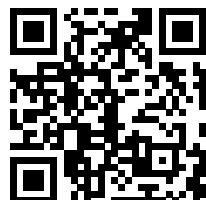




## **SoulShift - Educational Q&A Platform**

### **General Questions**

Practice Questions



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**Q1. What is the bandgap energy of a typical silicon semiconductor?**

- A. 0.1 eV
- B. 1.1 eV
- C. 2.0 eV
- D. 3.5 eV

*Solution: Silicon has a bandgap energy of approximately 1.1 eV, which is crucial for its semiconductor properties.*

**Q2. Which of the following is a characteristic of a Schottky diode?**

- A. High forward voltage drop
- B. Fast switching speed
- C. High reverse breakdown voltage
- D. Low current handling capability

*Solution: Schottky diodes are known for their fast switching speed due to their low forward voltage drop.*



