

Answer Key: Lesson 10 The PNP

1. The notation Q1 & Q2 is used in North America to represent Transistor 1 & Transistor 2.
2. Direction of current flow
3. Emitter
4. Ideally, the answer is that the LED would burn out. Reality is such that this transistor actually provides enough resistance to keep the LED from getting too much power.
5. Changing 10 uF to 100 uF.
 - α) Now it should be very close to 10 times longer.
 - β) 10 times more capacitance will ideally hold the transistor's valving action 10 times longer.
6. Do it. The capacitor can't drain through the transistor but does drain through R1. Now it drains much slower.