

Shining a Light

Design & Technology

Year 9



SCOTCH
COLLEGE
ADELAIDE

Questions on Electrical Circuits Worksheet

1. What design features could be considered in the manufacture of a torch?
2. How could you describe the torch circuit when it is switched on?
3. What is an electric current?
4. What is the unit and its symbol for current?
5. What causes current to flow?
6. How many cells in a 6volt battery and how are they connected?
7. Why would you connect two cells in parallel?
8. Which direction do electrons flow in a circuit?
9. Give one reason why an electric current can be so dangerous.
10. Why does the filament of the lamp emit light?
11. Why does the torch switch not get hot when current is flowing?

