

SOLDERING QUESTIONS - GOOD AND BAD JOINTS

V.Ryan © 2000 - 2013

On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet .

THESE MATERIALS CAN BE PRINTED AND USED BY TEACHERS AND STUDENTS.
THEY MUST NOT BE EDITED IN ANY WAY OR PLACED ON ANY OTHER MEDIA INCLUDING WEB SITES AND INTRANETS.
NOT FOR COMMERCIAL USE.
THIS WORK IS PROTECTED BY COPYRIGHT LAW.
IT IS ILLEGAL TO DISPLAY THIS WORK ON ANY WEBSITE/MEDIA STORAGE OTHER THAN www.technologystudent.com

SOLDERING QUESTIONS - GOOD AND BAD JOINTS

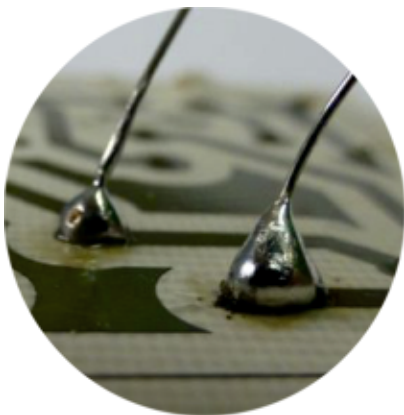
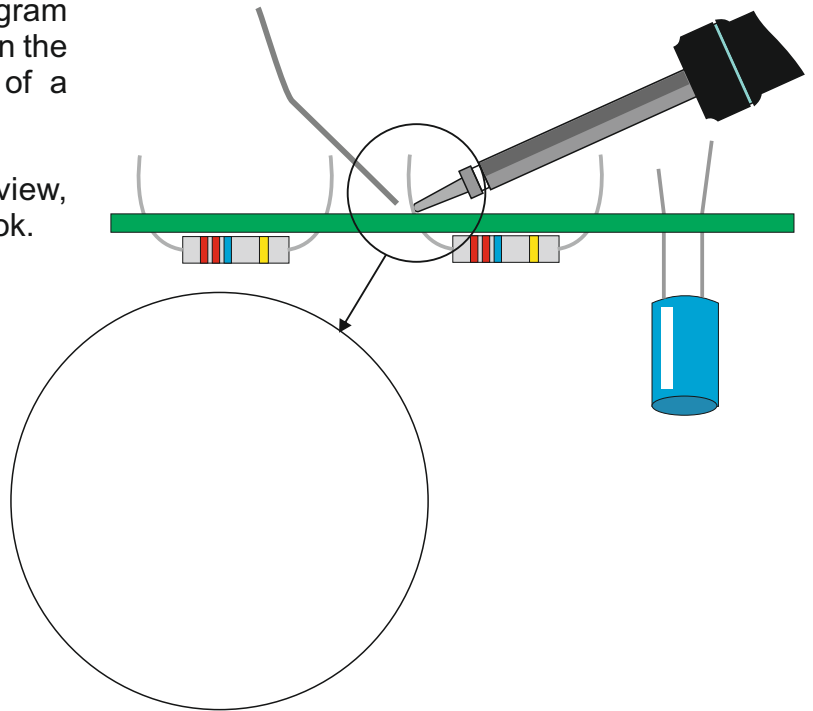
V.Ryan © 2013 World Association of Technology Teachers

1. What is the composition of typical solder?

2. Why are modern solders lead free?

3. The soldering iron shown in the diagram opposite, is being used to metallurgically join the component pin/wire to the copper track of a circuit.

In the circle below, draw a magnified view, showing how a good soldering joint should look.



4. What is wrong with this solder joint ? How has it happened?



5. What is wrong with this solder joint ? How has it happened?
