

HARDNESS TESTING

V.Ryan © 2000 - 2012

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 .

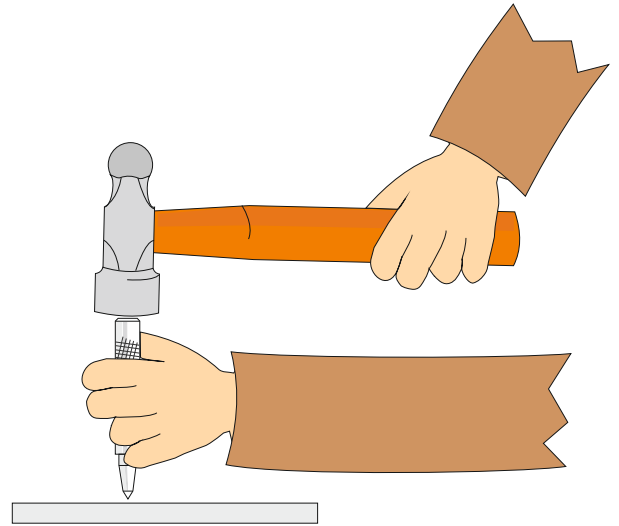
THESE MATERIALS CAN BE PRINTED AND USED BY TEACHERS AND STUDENTS.
THEY MUST NOT BE EDITED IN ANY WAY OR PLACED ON ANY OTHER MEDIA INCLUDING WEB SITES AND INTRANETS.
NOT FOR COMMERCIAL USE.
THIS WORK IS PROTECTED BY COPYRIGHT LAW.
IT IS ILLEGAL TO DISPLAY THIS WORK ON ANY WEBSITE/MEDIA STORAGE OTHER THAN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

HARDNESS TESTING

V.Ryan © 2012 World Association of Technology Teachers

1. Why is it important to carry out tests on a material, to help determine its physical properties?

2. Describe three tests that can be carried out in a school workshop, to test the 'hardness' of a material. Complete the answers below by either adding the missing description or diagram.



A more sophisticated method of measuring the hardness of a material, is to drop a 'plug' down a tube. When the 'plug' hits the material below, the surface will suffer an indent. The indent produced on different materials, can be compared. Consequently, the smaller the indent, the harder the material.

