

OWEN EVANS

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ACMA4000

MATERIALS AND INTRODUCTION TO PROCESSING

2a. METALLIC BONDING IS A CHEMICAL BOND CAUSED BY THE ELECTROSTATIC FORCE OF ATTRACTION OF POSITIVELY CHARGED METAL IONS AND AN ELECTRON CLOUD OF DELOCALISED ELECTRONS.



METALS WITH A VALENCY OF 2 ARE STRONGER AS THEY HAVE TWICE THE AMOUNT OF ELECTROSTATIC FORCE HOLDING THE MATERIAL TOGETHER