

Homework No. 2

Due in class on Friday Jan 20, 2006

Only Part B of the homework is to be submitted in class.

Part A: Read/review the following topics:

Chapter 4 Ductility in Tension; Notch Effects; Impact/Toughness; Compression Test; Hardness; Fatigue; High-Temperature Properties; Residual Stresses; Friction, Wear and Adhesion.

Chapter 5 Design; Major Classes of Materials; Environmental Aspects; Recycling

Part B: Please submit the following:

Problems from Chapter 4: A 6; A 11; A 15; B3; B 12; B 14; C4 ; C9.