

ME 301: Structure and Properties of Solids, Spring Semester 2009

Quiz #3 January 28, 2009

Name:

#1- What is the chemical formula (Cu_xAu_y) of an intermetallic compound which consists of 49.18 wt % Cu and 50.82 wt % Au?

#2 - What are the major properties of nickel-base superalloys that make them suitable for applications in the structure of aircraft turbine engines?

#3 - Name two models of the atom.