

Chapter 15 Homework Solutions

1. Ionic and Covalent

8. see table 15-1

10. Ceramic exhibit a brittle behavior under tension

11. Ceramics are not affected by dislocation motion which is an important factor in plastic deformation.

16. Grain boundary and bulk diffusion contribute to densification. Surface diffusion does not contribute to densification.

24. Yes, see table 15-6

26. Glass temp-see glossary. It is a fixed temp for a given composition.