

WKS  
Properties of Solids

Name \_\_\_\_\_  
Period \_\_\_\_\_ Date \_\_\_\_\_

- 1) Explain why solids are not classified as fluids—describe the motion of particles in a solid.
- 2) Why are solids generally incompressible?
- 3) Explain why most solids are denser than most liquids.
- 4) How is the density of water different from most other solids? What causes this to happen?
- 5) Compare the relative shape and volume for gases, liquids and solids.
- 6) What is a crystalline solid?
- 7) Describe the 4 kinds of crystalline solids—what particles and bonds are involved in each type?
- 8) Why do network covalent solids like diamonds have such high melting points?
- 9) What is an amorphous solid?
- 10) How are amorphous solids like liquids?
- 11) List two amorphous solids.