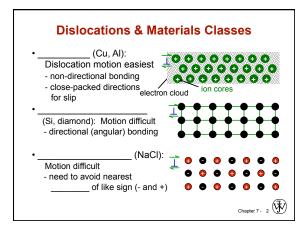


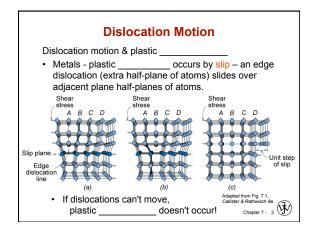
ISSUES TO ADDRESS...

- Why are the number of _____ present greatest in metals?
- How are strength and _____ related?
- · Why does heating alter strength and other properties?

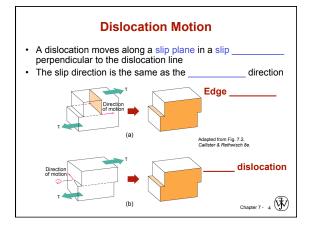
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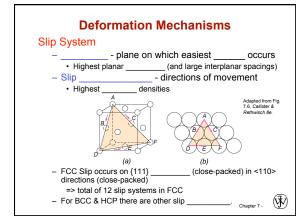




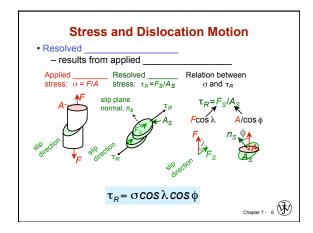




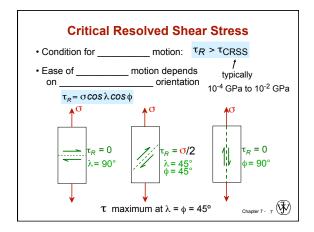




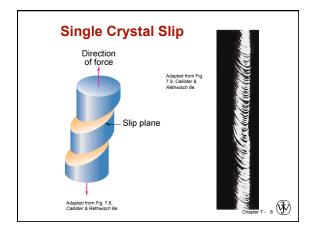




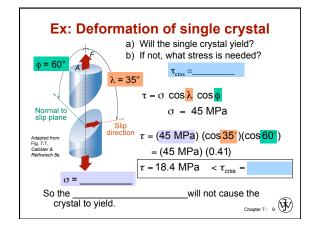




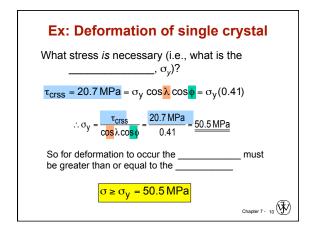




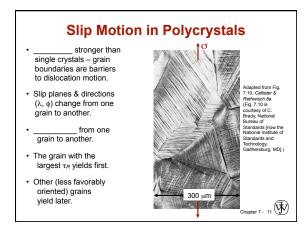




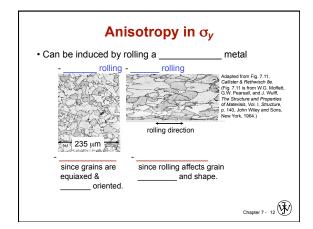


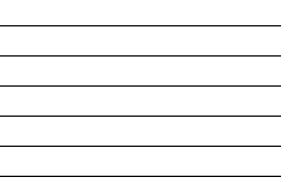


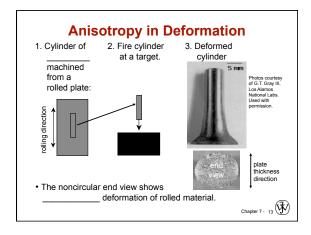




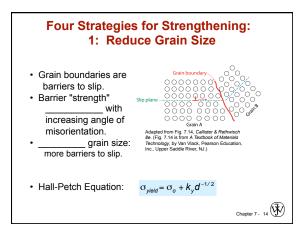


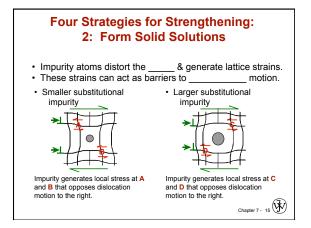


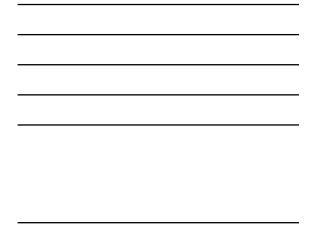




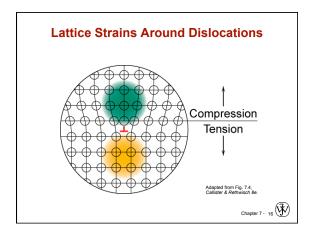




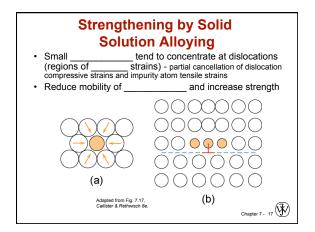




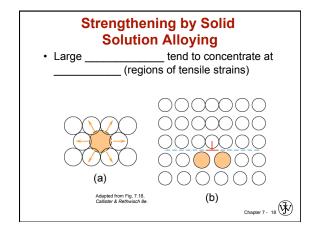




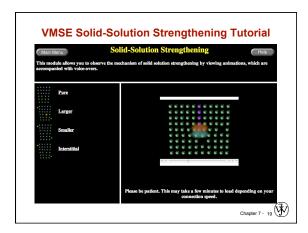




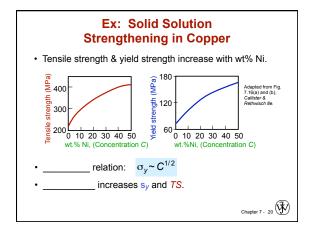


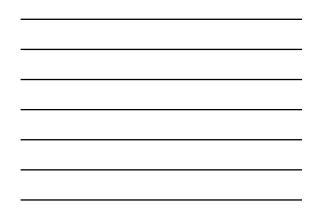


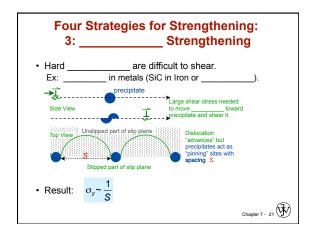




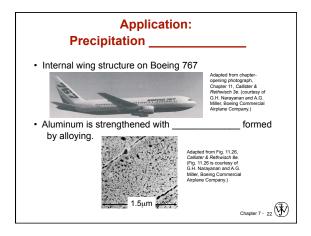




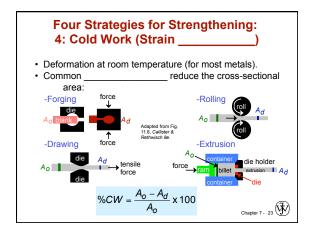




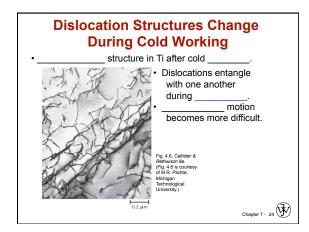




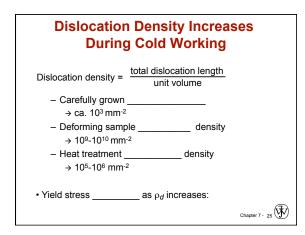




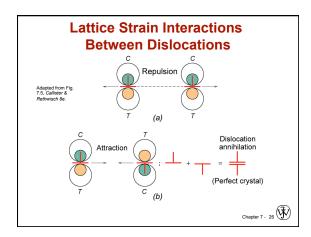




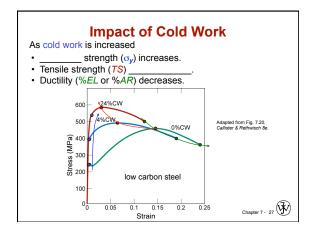




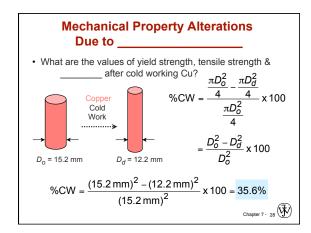




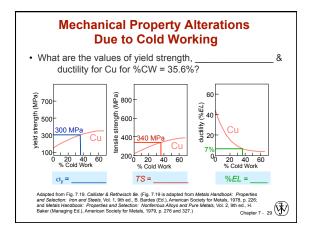




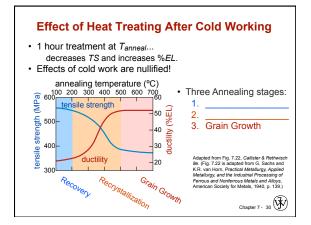




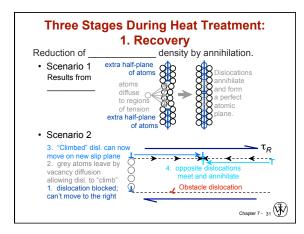




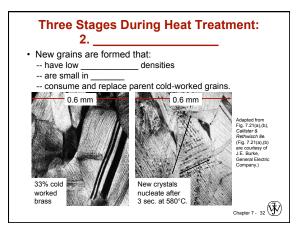




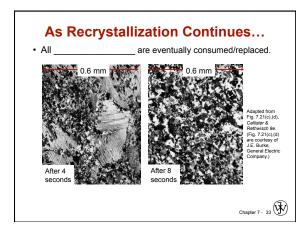


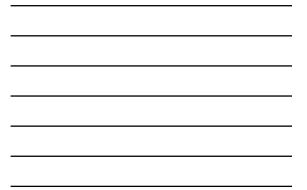


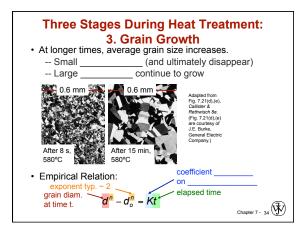




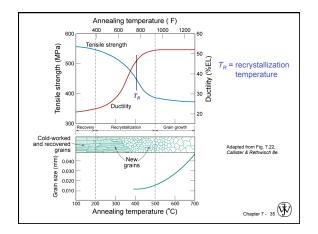




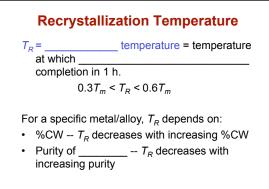












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Diameter Reduction Procedure -Problem A cylindrical rod of ______ in

diameter is to be cold worked by drawing. The circular cross section will be maintained during deformation. A cold-worked tensile strength in excess of ______ and a ductility of at least 15 %*EL* are desired. Furthermore, the final diameter must be 7.5 mm (0.30 in). Explain how this may be accomplished.

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