



**MATERIALS SCIENCE  
& ENGINEERING**  
TEXAS A&M UNIVERSITY

# Introduction to Materials Science & Engineering

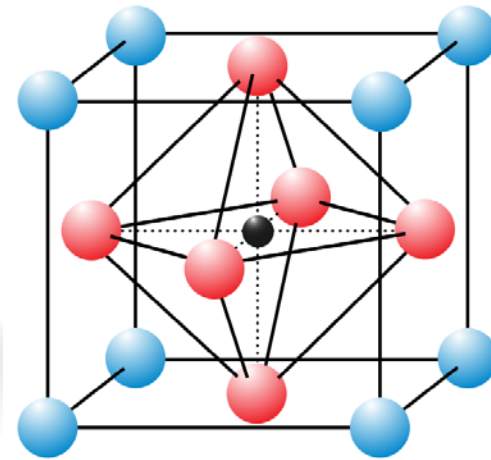
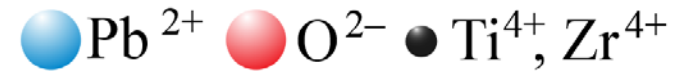
## Interstitial Sites

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Texas A&M University, College Station, TX



# Interstitial Sites

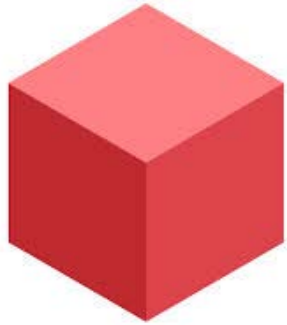


$$T > T_c$$

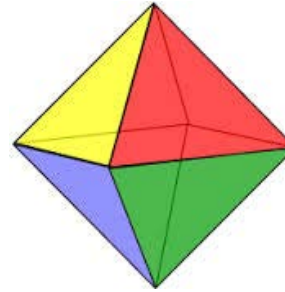
Wikipedia.org

# Possible Shapes/Sites

Cubic site



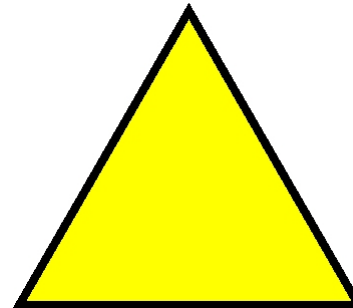
Octahedral site



Tetrahedral site

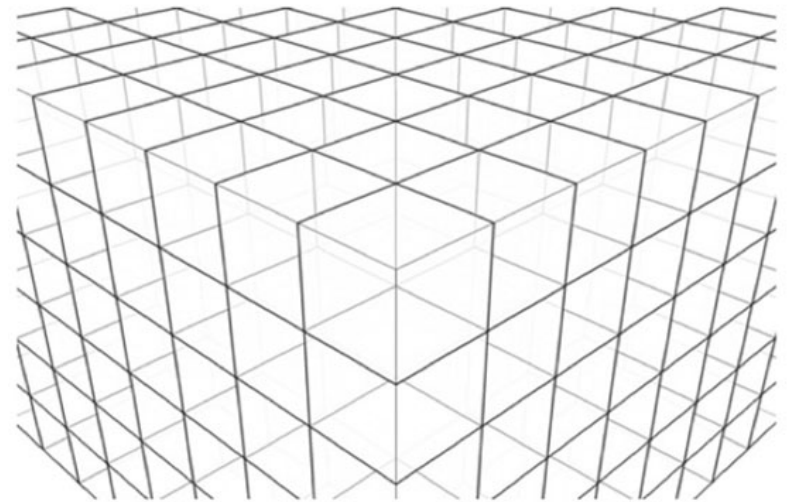
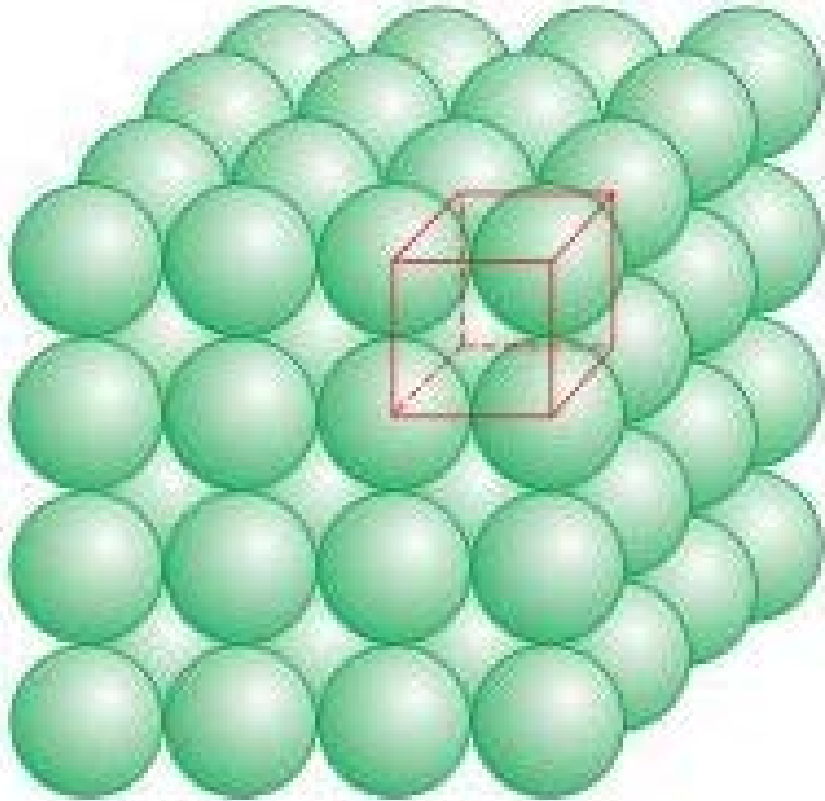


Triangular site

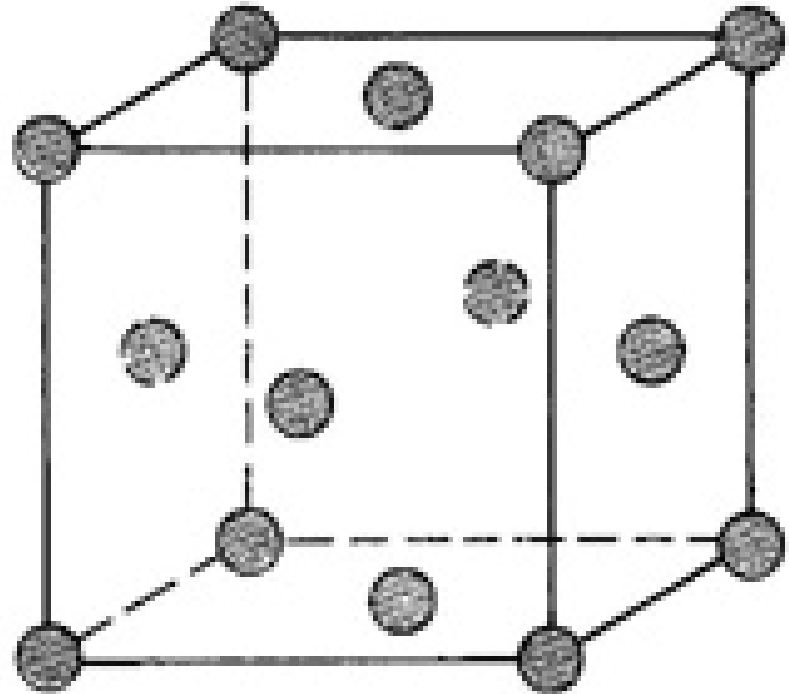
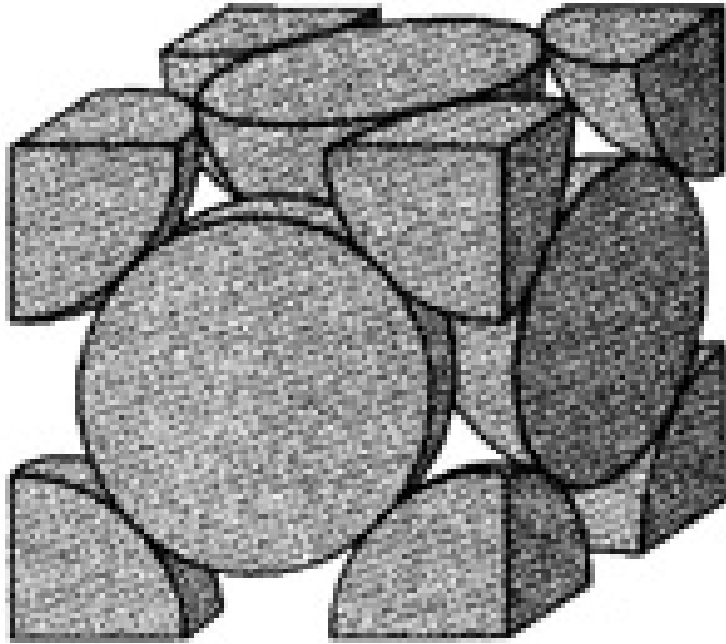




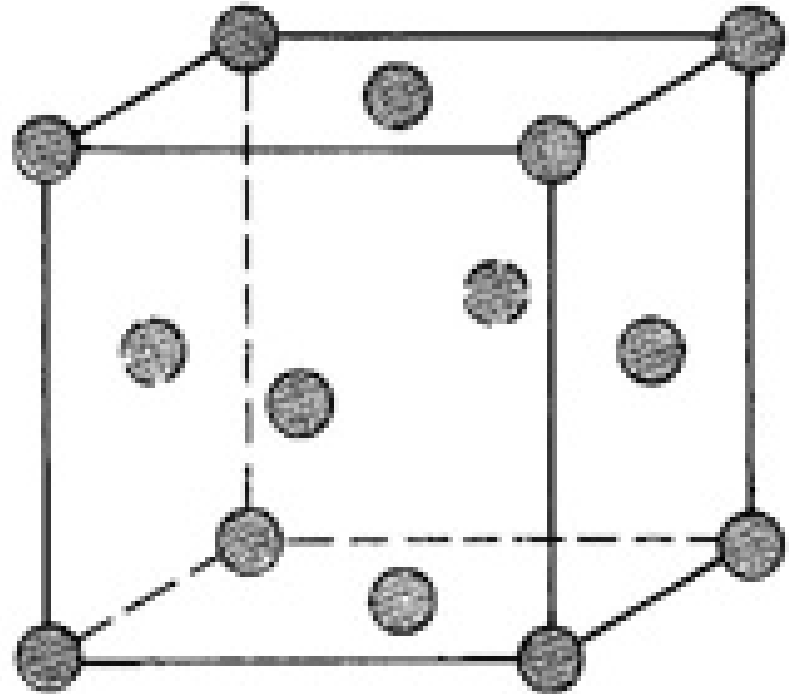
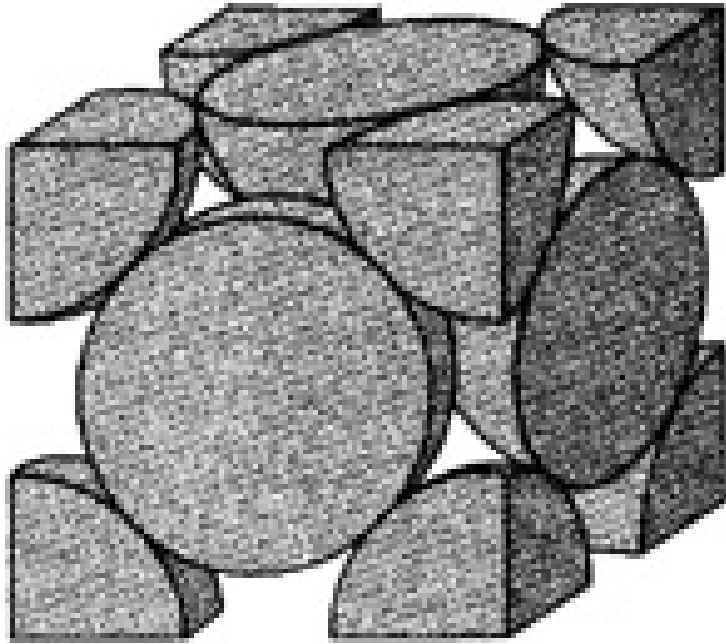
# Example: Simple Cubic Lattice



# Example: FCC Lattice



# Example: FCC Lattice



# Example: FCC Lattice

