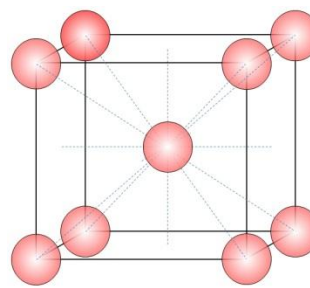
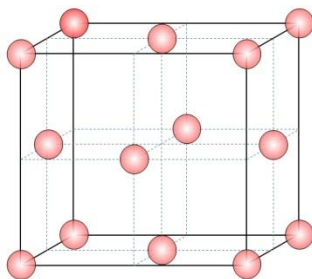
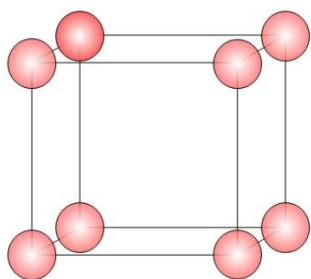


Density and Coordination Number Ranking Task

Name each crystal structure:



Rank these structures from lowest to highest atomic density. Use = and < symbols to indicate the relationship between adjacent atomic densities:

Lowest

Highest

Rank these structures from lowest to highest coordination number (CN). Use = and < symbols to indicate the relationship between adjacent CNs:

Lowest

Highest

Show your work and discuss why these results make sense: