

Quiz 7: Solid State Chemistry (10 pts)

1. For the following two formulas, identify the type of solid (atomic, molecular, metallic, ionic, or covalent network) and draw an atomic level representation of that solid. (5 pt)

Ba

Ar

2. (5 pt) Barium (see above) crystallizes in a face centered cubic structure. Draw a sketch of that structure (describe as well if your picture is not great) ☺.

How many Ba atoms are in one unit cell? Show your work clearly!