

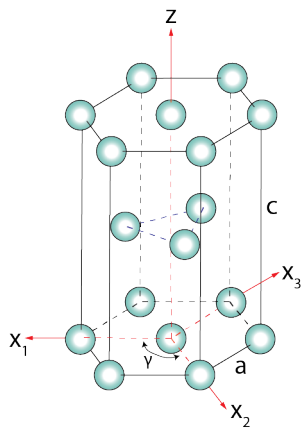


Crystalline Material Structure- Lesson 2 Student Note Sheet

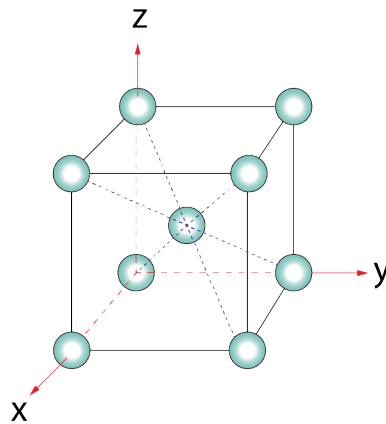
What is the definition of a crystalline material? Sketch one here

What does an amorphous material lack that a crystalline material has? Sketch one here.

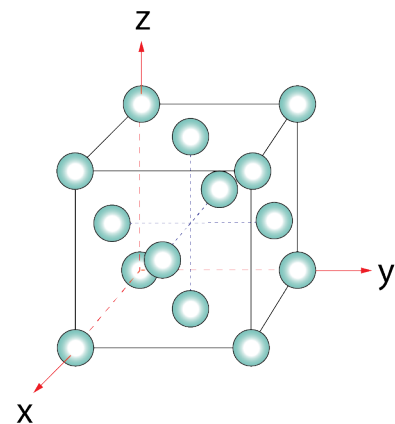
Match the unit cell to its name



Body-Centered Cubic



Hexagonal Close-Packed



Face-Centered Cubic



What are the atomic packing factors (APF) of our three unit cells?

Why is anisotropy important to consider when talking about crystal unit cells?

Why are unit cells with covalent bonds more complex than those with metallic bonds?