



## ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Subject- Physical science Answers of Worksheet- 21 Class – IX

Date -21.04.2020

Chapter- Crystal

- Q Answer the following questions (MCQ) : (1×15):

- Allotropes differ in which of the following  
c. atomic masses
- Co-ordination number of a crystalline solid is:  
a) Number of particles in the unit cell
- Packing efficiency of a crystal structure is the ratio of:  
c) Total volume of the unit cell to the volume occupied by particles
- HCP and BCC are called close-packed structures. Close packed structures have:  
a) Highest packing efficiency
- An octahedral void is surrounded by:  
a) 8 atoms
- Which of the following is a property of amorphous solids?  
a) Sharp melting point
- Which of the following is a crystalline solid?  
d) Rubber ball
- The smallest portion of a crystal which when repeated in different directions generates the entire crystal is called:  
c) Unit cell
- Which of the following is not a property of metal glass?  
b) Poor thermal conductivity

10. Grain boundaries are one of the causes of corrosion of metals?

b) False

**11:** Lattice points have another name which is called lattice

A. arrangements

**12:** In the crystal-lattice ions are arranged in

A. three dimensions

**14:** The crystal lattice is actually

A. array of points

**15:** The crystal lattice is also known as

A. space lattice

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