

ETERNAL CAREER CLASSES

SUBJECT : CHEMISTRY (Solid State)

- Which is covalent solid ?
 - SiO₂
 - Diamond
 - Graphite
 - all of these
- Silicon dioxide is an example of :
 - metallic crystal
 - ionic crystal
 - covalent crystal
 - none of these
- ZnS is
 - ionic crystal
 - covalent crystal
 - metallic crystal
 - van der Waals' crystal
- Which is (are) amorphous solids ?
 - Rubber
 - plastic
 - Glass
 - all of these
- How many kinds of space lattices are possible in a crystal ?
 - 23
 - 7
 - 230
 - 14
- Which of the following will show anisotropy ?
 - Glass
 - BaCl₂
 - wood
 - Paper
- The interparticle forces in solid hydrogen are :
 - hydrogen bonds
 - covalent bonds
 - co-ordinate bonds
 - van der Waals' forces
- The number of octahedral in a cubical close pack array of N spheres is :
 - N / 2
 - 2N
 - 4N
 - N
- How many tetrahedral holes are occupied in diamond ?
 - 25%
 - 50%
 - 75%
 - 100%
- In which of the following crystals alternate tetrahedral voids are occupied ?
 - NaCl
 - ZnS
 - CaF₂
 - Na₂O
