

## Answer on Question #71663, Chemistry / Inorganic Chemistry

**Question 5 :** The ability of the molecules of graphite held together to slide pass one another imparts in it \_\_\_\_\_.

1. **Brittleness**
2. Softness
3. Rigidity
4. Lustre

**Question 6 :** Which of the following statement is correct?

1. **When passed in water,  $\text{SiF}_4$  is hydrolysed to give soluble  $\text{H}_2\text{SiF}_6$**
2. Hydrolysis of silicon tetrachloride gives silicic acid
3. Silica is soluble in water
4. Silica is soluble in acids except hydrofluoric acid

**Question 7 :** Diamond behaves as an insulator because of \_\_\_\_\_.

1. Strong ionic bonds formed within its molecule restricting mobility of electrons
2. **Strong covalent bonds formed within its molecule restricting mobility of electrons**
3. Intermolecular bonding formed between adjacent atoms of the molecule
4. Intramolecular bonding formed within the molecule

**Question 8 :** \_\_\_\_\_ occurs in the elemental state as diamond and graphite.

1. Tin
2. Germanium
3. **Carbon**
4. Silicon