Carbon & its compounds

Worksheet-2

Class-VIII

By: M.A. Shamsi

Fill in the blanks by choosing the correct answer:

1. The existence of an element in more than one physical form_____ (allotropy/ isotropy)
2. An allotrope of carbon which is one of the hardest natural substance known_____ (diamond/ fullerene)
3. Among graphite and diamond the one with free electron & is a good conductor of electricity_____(diamond / graphite)
4. In diamond each carbon is attached to _____ other carbon by a covalent bond. (four/ three)
5. In graphite each carbon is attached to _____ other carbon by a covalent bond. (four/ three)
6. _____ is found in the form of 'Plumbago' naturally. (coal/ graphite)
7. In graphite the hexagonal plates are joined by _____ bond. (covalent bond/ van der waal's)
8. Shape of diamond crystal is _____ while shape of graphite crystal is _____. (3-dimensional/ 2-dimensional)
9. Diamond is a bad conductor of electricity as it does not have_____. (free electrons/ ions)