

## Carbon & its compounds

### Worksheet-2

Class-VIII

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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)