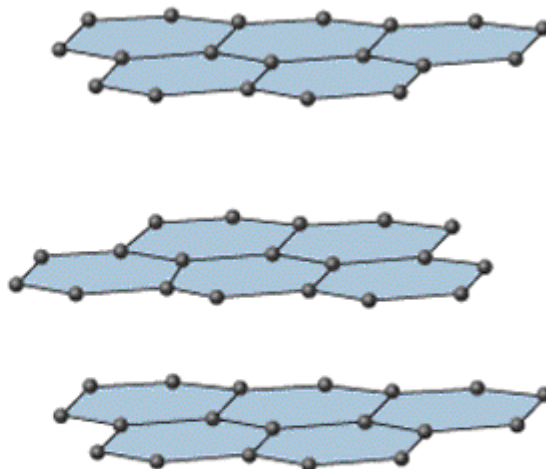
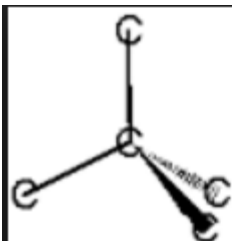


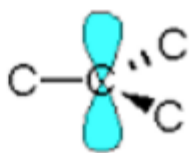
(a) Diamond



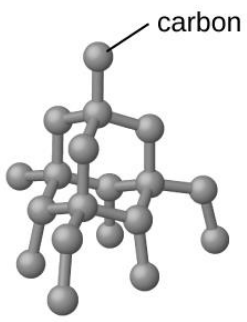
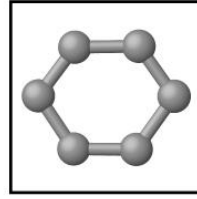
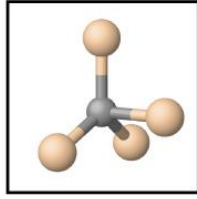
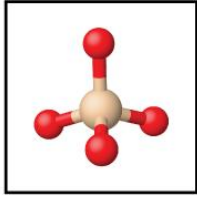
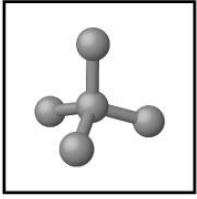
(b) Graphite



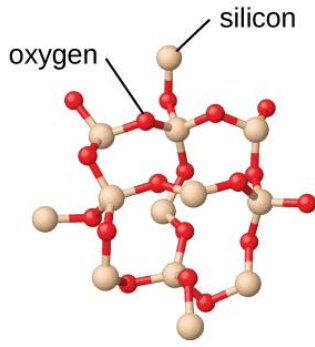
tetrahedral
carbon in
diamond



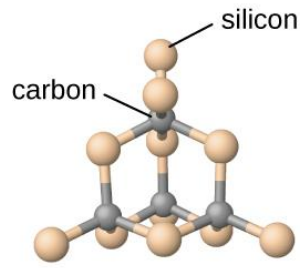
trigonal planar
carbon in graphite
with p orbital



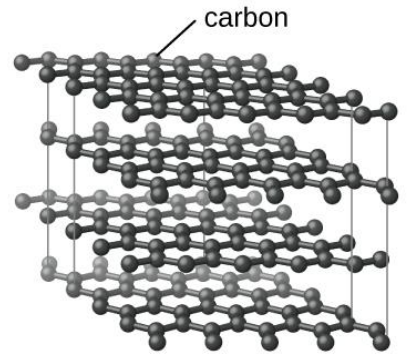
diamond



silicon dioxide



silicon carbide



graphite