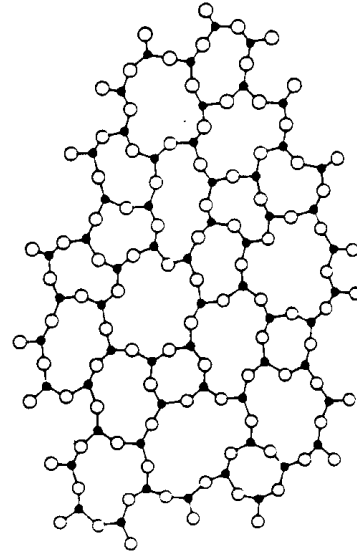
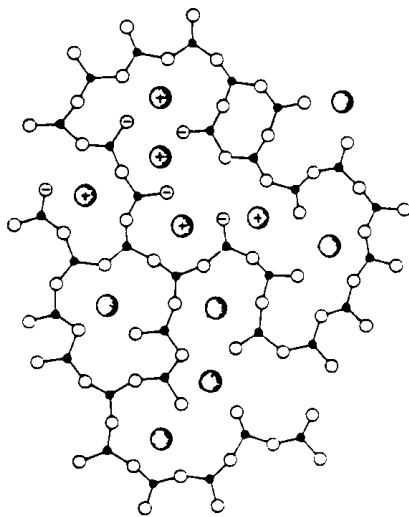


(a) Three-dimensional view of the network formed by SiO_4 tetrahedra in silica glass.

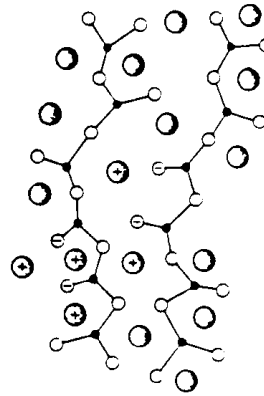


(b) Two-dimensional representation of the network of silica glass.



(c) Broken links in the network when SiO_2 is modified by the addition of Na_2O .

● Silicon ion
○ Oxygen ion
⊕ Sodium ion



(d) Linear chains characteristic of the SiO_2 - Na_2O composition.