

- In the spaces provided, explain the meanings of the following terms. You may use an equation or diagram where appropriate.

(a) hydrogen bonding

An unusually strong dipole-dipole interaction that forms when a hydrogen atom is bonded to one of the very electronegative atoms F, O or N.

(b) colligative properties

Properties of a solution that depend only upon the number of moles of solute present, not the nature of the solute.

(c) hypotonic solution

A solution with lower osmotic pressure than cell fluid.

(d) isoelectric point

The pH at which there is no net charge on a molecule containing both acidic and basic groups.