

DENTAL CLASS ROOM 2



DPU
Dr. H. Y. PATIL VIDYAPEETH, PUNE
"Celebrating the Next Generation of Res..."
Innovate to Elevate
Competition for Innovation

INTRODUCTION

Life originated in water. Water is a vital nutrient that is required for humans to survive, accounting for 60-70% of an adult's bodyweight. In the human body, water plays important roles in metabolism, temperature regulation, and disease prevention. Sources of fluid intake are drinking fluids, water from food, and endogenous water, among which fluid intake is the most important source. Water provides the medium in which all biochemical reactions take place. The importance of water to living organisms is due to its peculiar features including its properties as a solvent. Water owes these unique properties to the polarity (i.e. dipole character) of its constituent molecules, which form bonds among each other as well as with other polar molecules. dielectric material is a material that allows electric fields to pass through it. By this information we can understand that biological signalling might be transmissible by electromagnetic means. On a biological level, water's role as a solvent helps cells transport and use substances like oxygen or nutrients. Water-based solutions in blood help carry molecules to the necessary locations. Thus, water's role as a solvent facilitates the transport of molecules like oxygen for respiration and has a major role in the ability of drugs to reach their targets in the body.

