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# AP Biology Unit 1 Test

water - correct answer-polar molecule

- polar covalent bonds

- oxygen end is partial negative and the hydrogens have a partially positive end

- cohesive

polar covalent bonds - correct answer-opposite ends of the molecule have opposite charges

cohesion - correct answer-H bonding between H<sub>2</sub>O creates it (sticky)

- allows for the movement of water against gravity

- high surface tension

- water moves up a tree by transpiration (helped by \_\_\_\_)

adhesion - correct answer-H<sub>2</sub>O molecules form H bonds with other substances

- ~capillary action

- ~meniscus

- ~water climbs up fiber

solvent - correct answer-water is the universal one

- polar water molecules will surround the (+) and (-) ions causing the ions to separate and dissolve

- dissolve solutes and create aqueous solutions

hydrophilic - correct answer-some molecules have an affinity for water

- polar and ionic molecules

- ex: cotton, cellulose, paper

hydrophobic - correct answer-some substances do not have an affinity for water

# 2008 Ap Bio Exam Answers

**YCT Expert Team**



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