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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

**The Princeton Review**



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web they live on every continent except icy antarctica owls belong to a group of birds called strigiformes that group is divided into two smaller groups known as families the family called tytonidae includes barn owls which have heart shaped faces the second family strigidae includes all other owls most of which have round faces

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web they are found in all regions of the earth except the polar ice caps and some remote islands owls are divided into two families the true or typical owl family strigidae and the barn owl family tytonidae 2 a group of owls is called a parliament 3 anatomy burrowing owl athene cunicularia cross eyed owl