

AP Biology Supplemental – Water Potential Video Review Sheet

www.bozemanscience.com/water-potential/

1. Give the definition of water potential:
2. What does water potential allow us to figure out?
3. What is the "unit" for water potential?
4. How does water's orientations change when NaCl is added to it? (This is called "bound" water)
5. What is the water potential of pure water?
6. Which way does water move?
7. Summarize, using water potential, why water leaves the slugs tissues and moves into the surround environment.
8. Using the tree example and water potential, explain why water moves from the roots to the tips of the treetops.
9. Write out and describe the **water potential** equation.
10. Solute potential is a factor of osmosis, what is pressure potential a factor of?
11. Why is pressure potential often a positive number?
12. Write out and explain each part of the **solute potential** equation:
13. Show the steps to work out his sample problem on the back of this paper.

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