Renal Vignettes

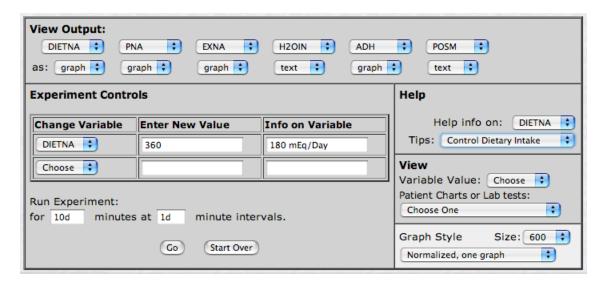
Plasma Osmolarity is Normally Regulated By ADH and Thirst

HUMAN vignettes are brief, highly targeted exercises aimed at reinforcing single basic physiological points. The student may then continue to explore by further modifying the experimental design as they wish.

Changes in sodium intake challenge plasma osmolarity regulation.

In this experiment challenge plasma osmolarity by increasing dietary salt intake and then follow 1) how well plasma osmolarity is regulated 2) whether the response in output (renal) or intake (drinking) regulated or both.

Below please find the experimental protocol to carry out this investigation. Note well that *you should understand each of the variables employed*; use Help info on: or from a Help screen pick the View summary of <u>all variables</u> link.



To repeat the questions:

1) how well plasma osmolarity is regulated and 2) is the response in output (renal) or intake (drinking) regulated or both.