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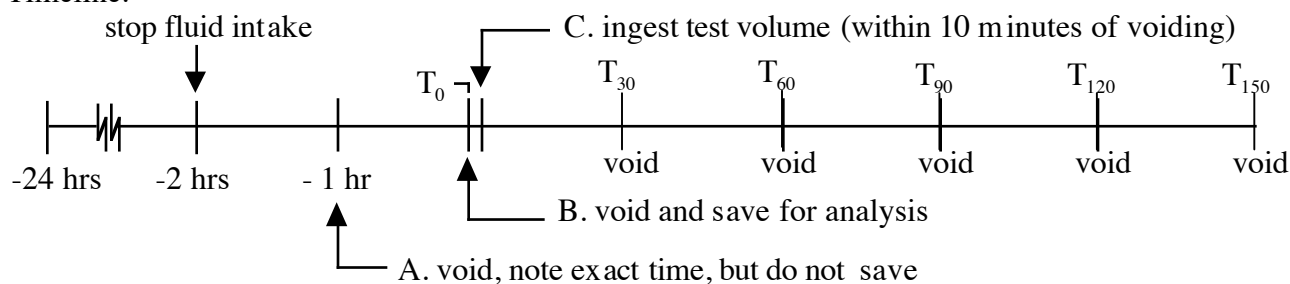
Name: _____

Renal Physiology II: Fluid Balance - Preparation Notes

Preparation for this experiment begins 24 hours prior to the start of the laboratory.

- A. Normal Fluid Intake / Water Loaded - this individual will maintain a normal level of hydration during the 24 hour period prior to the lab and will ingest a water load at the start of lab.
- B. Normal Fluid Intake / Volume Loaded - this individual will maintain a normal level of hydration during the 24 hour period prior to the lab and will ingest an isotonic saline load at the start of lab.

Timeline:



- A. Approximately one hour before the start of the lab, void (empty the bladder) completely, noting the exact time. Discard the urine. Your bladder should now be empty. **DO NOT** void again until the lab begins. This is the control period and will establish a preloading urine flow rate and composition. (note: if you have to urinate during the control period do not discard the urine, save all of it for measurement in the lab).

Time of void: _____

- B. At the start of the lab void completely and note the exact time (save the entire volume in a labeled container). This is your control urine sample.

Time of void: _____

- C. At the "bar" ingest a test volume (fluid load) of either water or isotonic saline. The test volume to be consumed is 10 milliliters per kilogram of body weight (10 ml / kg). The entire volume should be ingested within ten minutes of collecting your control urine sample and need only be done once.

Your weight in Kg: _____	Volume of fluid load in mL: _____
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- D. While waiting to collect your next urine sample analyze the previously collected sample. Measure the volume, chloride ion content, and specific gravity.
- E. Every 30 minutes collect a new full volume urine sample and measure the volume, chloride ion content, and specific gravity. Keep an accurate record of the elapsed time between each sample.