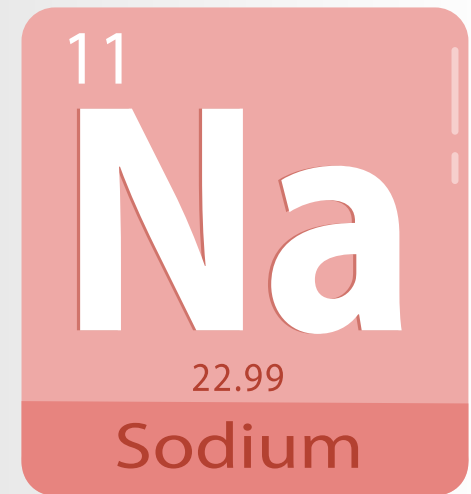


# Hypernatremia (Na > 155 meq/L)

- **Etiologies**

- deficit of water relative to sodium
- **Extra-renal causes**
  - GI H<sub>2</sub>O loss
    - diarrhea or vomiting
  - Dehydration
  - Increased skin loss
    - sweating, burns, inflammatory skin conditions
- **Renal H<sub>2</sub>O loss**
  - Diabetes Insipidus
  - Osmotic diuresis
    - hyperglycemia
  - Loop diuretics



- **Treatment**

- Replace H<sub>2</sub>O
- Hypotonic solution (1/2, 1/4, 1/3 NS)
- Na Overload
  - D5W + diuretic

