Thyroid and Parathyroid

**Symptoms of Thyroid Dysfunction**

Hyperthyroidism: fast heartbeat, increased appetite, anxiety, sensitivity to heat, sudden weight loss.

Hypothyroidism: slowed metabolism, tiredness, weight gain

Calcium is incredibly important and thus closely regulated.

**Calcitonin** and PTH act in opposition to keep calcium within a narrow range.

**The Role of Calcium**
1. Nerve conduction
2. Muscle contraction
3. Bone strength