

## **Hypothalamus**

**CRF**

**(Corticotrophin Releasing Factor)**

**TSH**

**(Thyroid Stimulating Hormone)**

## **Pituitary**

**Oxytocin/Vasopressin**

**ACTH**

**Thyrotrophic Hormone**

**Vasoconstriction**

**Greater Blood Volume**

**Increase Blood Pressure**

**Adrenal Cortex**

**Thyroid**

## **Cortisol**

**Fuel for Stress Response**

**Free up glucose, fatty acids, amino acids**

**Increase arterial blood pressure**

**Decrease lymphocytes (suppress immunity)**

## **Aldosterone**

**Increase blood volume**

**Increase sodium retention**

**Decrease urine production**

**Increase blood pressure**

## **Thyroxin**

**Increase basal metabolic rate**

**Increase production of fuels**

**Increase respiration & heart rate**

**Increase blood pressure**