

## **Bone Development**

### Osteogenesis

#### Stages

- 1.
- 2.
- 3.

### **Two Types of Ossification**

1.

-

-

2.

-

-

### **Endochondral Ossification**

-

-

### **Postnatal Bone Growth**

1.

-

2.

-

## **Growth in Length of Long Bones**

-

1.

2.

3.

4.

## **Hormonal Regulation of Bone Growth**

-

-

-

1.

2.

## **Bone Deposit**

-

-

## **Bone Deposit**

-

1.

-

2.

-

## **Bone Resorption**

1.

-

-

2.

## **Control of Remodeling**

What controls continual remodeling of bone?

-

-

## **Hormonal Control of Blood $\text{Ca}^{2+}$**

-

1.

2.

3.

4.

5.

- Primarily controlled by parathyroid hormone (PTH)

- May be affected to a lesser extent by calcitonin

-

## **Response to Mechanical Stress**

-

-

1.

2.

3.

4.

## **Classification of Bone Fractures**

-

1.

-

-

2.

-

-

3.

-

-

4.

-

-