

## **ENDODERM**

### **Foregut**

Pharynx to 1st part of duodenum  
Respiratory system

### **Midgut**

Small intestine

### **Hindgut**

Descending colon and rectum  
Forms the cloaca - rudiment of urinary bladder and rectum

DEEPEST GERM LAYER

MIDDLE GERM LAYER

## **MESODERM**

Connective tissues (including cartilage and bone)  
Striated and smooth muscles  
Heart, blood and lymphatic vessels  
Kidneys, ovaries, testes, genital ducts  
Serous membranes lining the body cavities  
(pericardial, pleural and peritoneal membranes)  
Spleen and cortex of the suprarenal glands

## **ECTODERM**

Central Nervous System  
Peripheral Nervous System  
Sensory epithelia of eyes, ears and nose  
Epidermis and its appendages  
Neural crest cells (from neuroectoderm)  
Ganglia cranial and autonomic nerves  
Schwann cells  
Melanocytes  
Suprarenal medulla  
Meninges

MOST SUPERFICIAL  
GERM LAYER