

# Skeleton



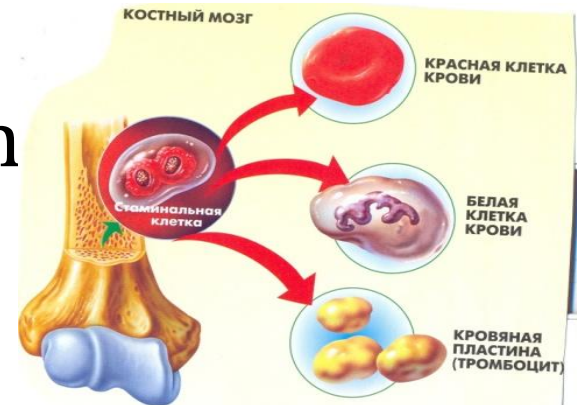
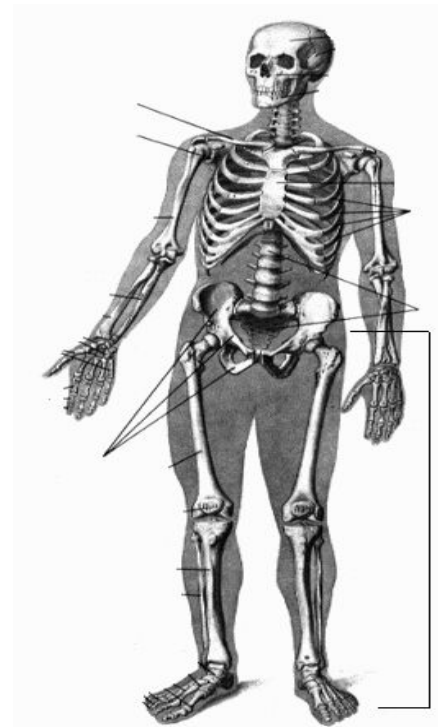
Группа:11-051-01  
подготовил:Камбаров Фарух

# Osteology – is the science of bones

The skeleton is a set of bones, connected by a connective, cartilage and bone tissues.

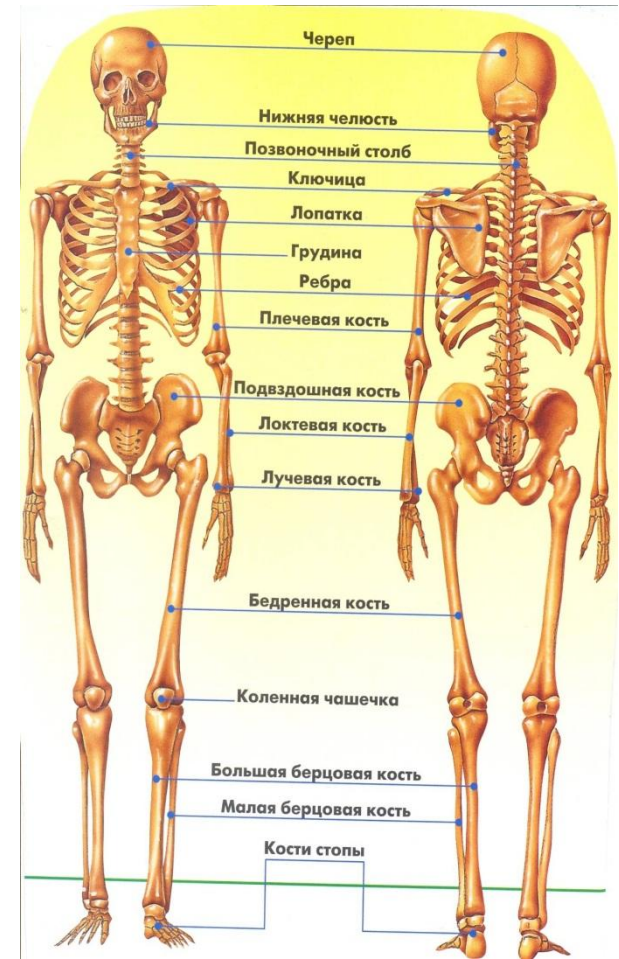
## Functions:

- ❑ The motor function
- ❑ The protective function
- ❑ The support function
- ❑ The spring function
- ❑ The hematopoietic function
- ❑ The exchange function



# Bone as an organ

- Bone is an organ, as it has a definite shape, structure, development and provision.  
Bone - is a complex entity consisting of several tissues, blood and lymph vessels and nerves.
- There are more than 200 bones in skeleton



# The chemical composition of bone

- Water 50%, fat 16%, organic matter, 12%, inorganic matter, 22%.

The organic part consists of ossein, which provides elasticity.

Inorganic part - salts of Ca, P,

# The classification of bones

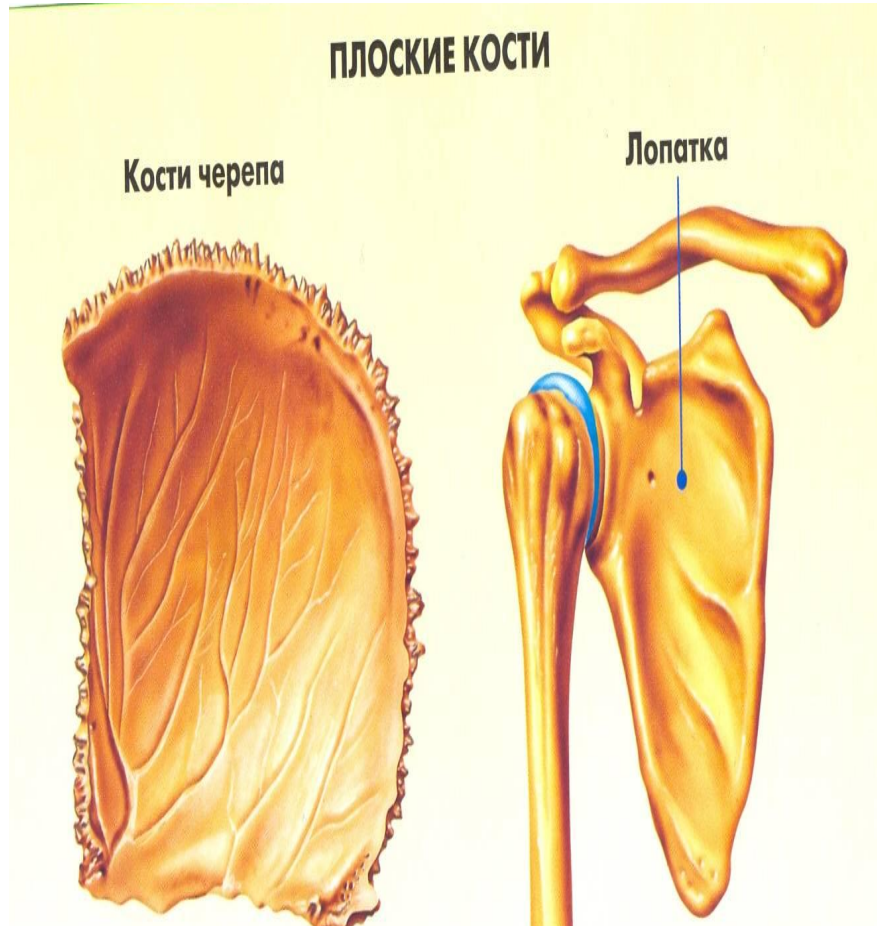
## ◎ I. Tubular bones

- ◎ 1. long (shoulder, thigh)
- ◎ 2. short  
(metacarpals, phalanges)





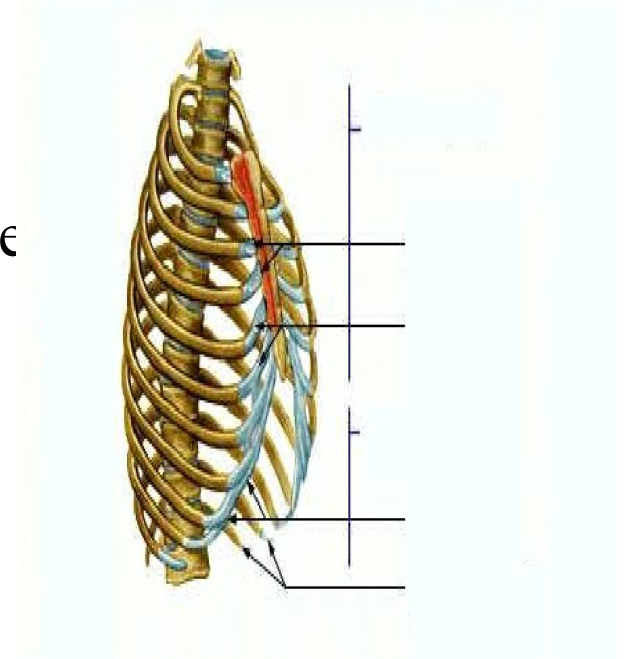
## II. Flat bones



# III. The spongy bones

Различают:

1. Длинные (ребра, грудина)
2. Короткие (запястные и предплюсневые кости)
3. Сесамовидные — гороховидная, надколенник



## IV. The mixed bones

- Mixed bone has a complex structure.
- They are composed of parts having different structure and form - the vertebrae temporal bone

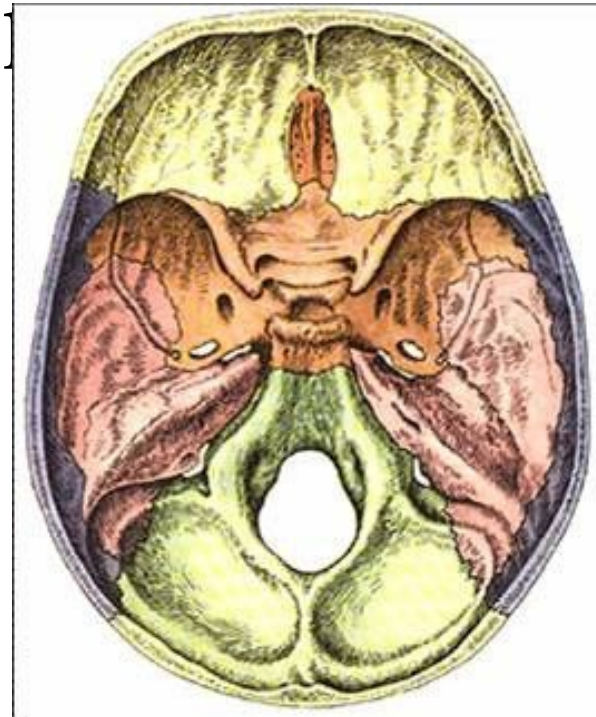
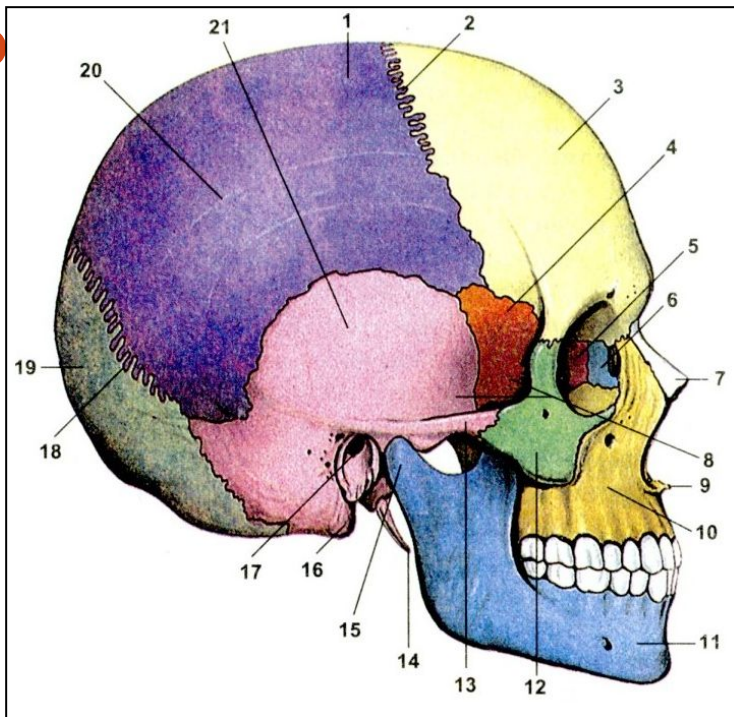




# The skeleton of the head

- The skeleton of the head is a skull.
- The skull is composed of cranial and facial parts.

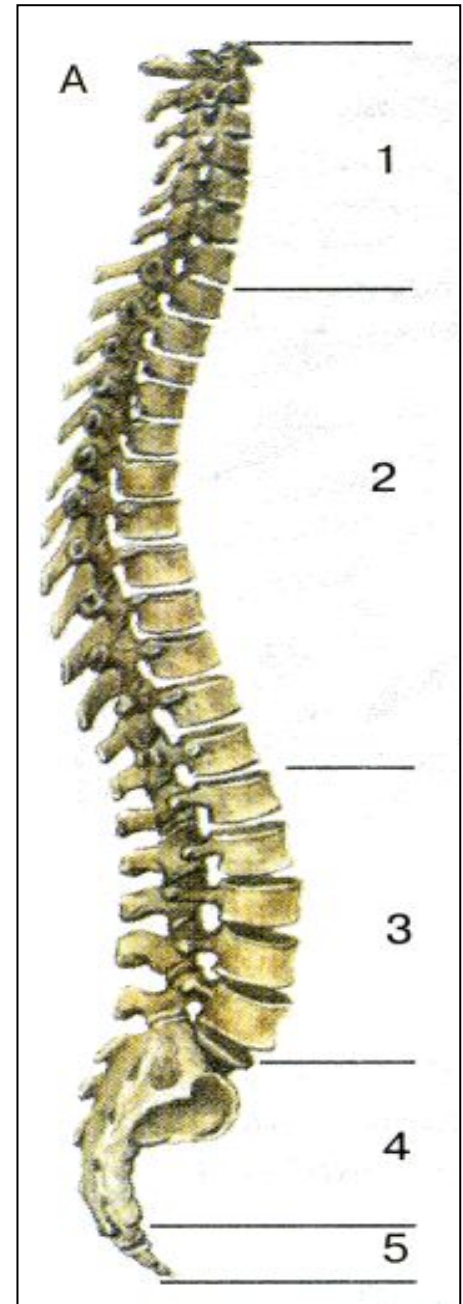
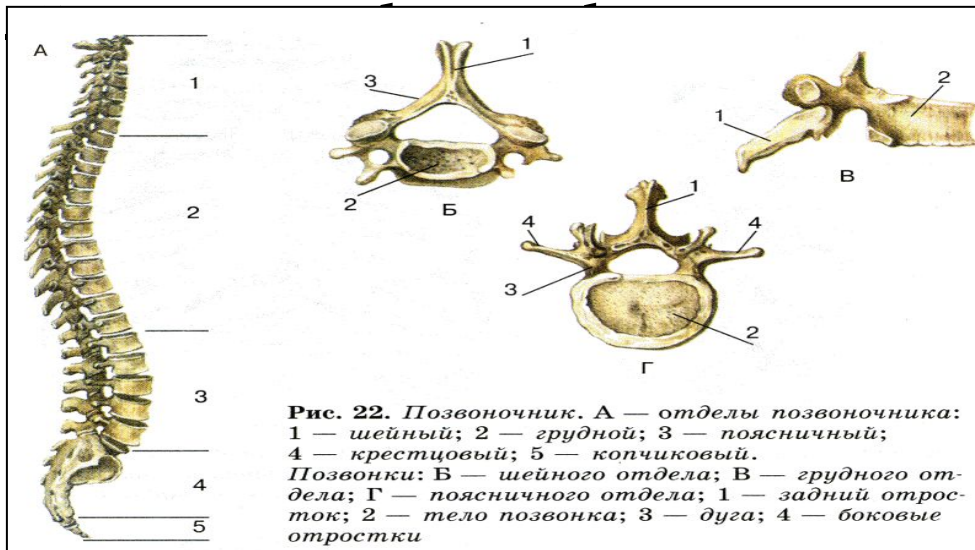
in the s



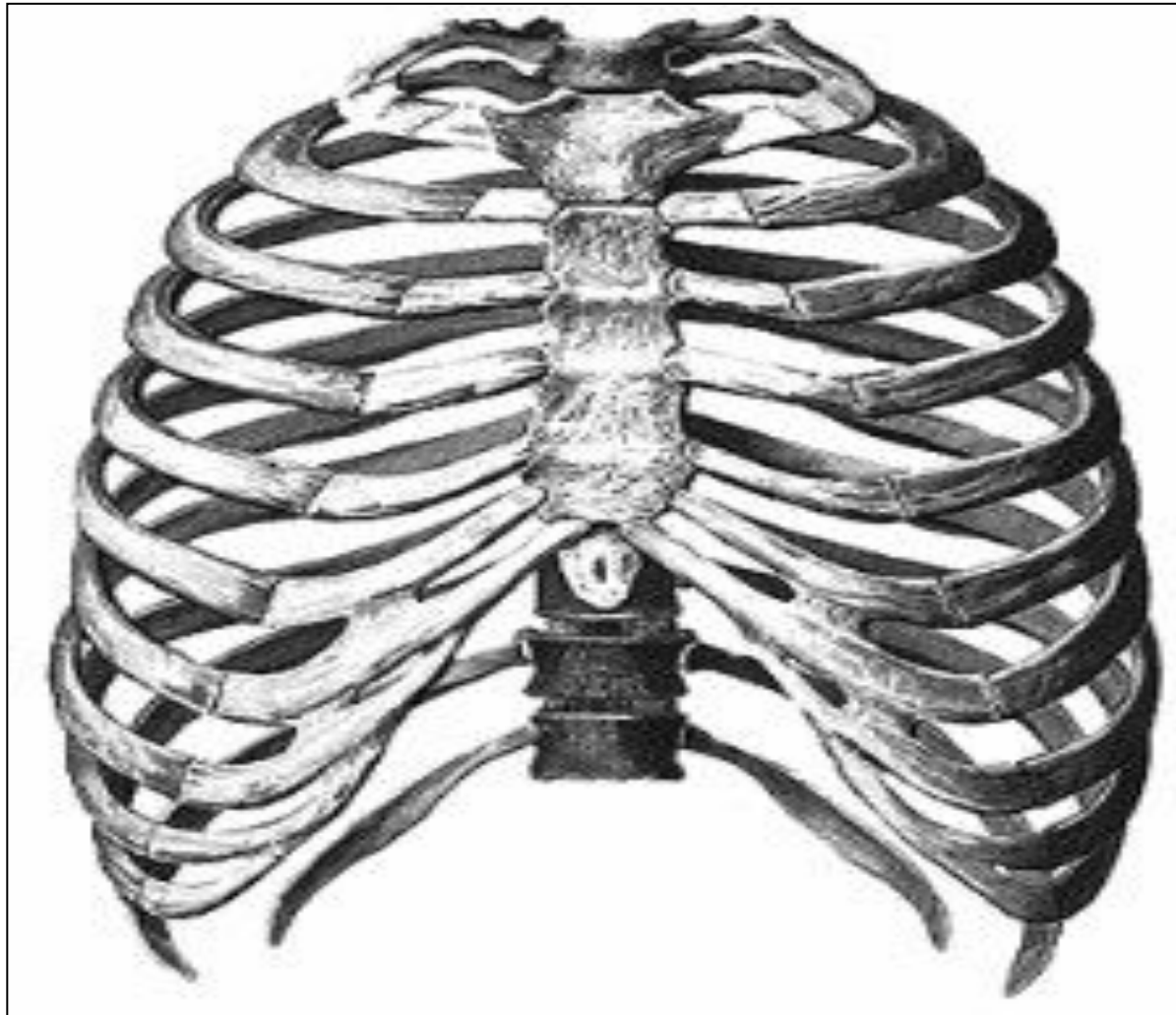
# The skeleton of the trunk

- The skeleton of the trunk includes the spine and chest.
- The spine is formed by 33-34 vertebrae. The spine consists of 7 cervical, 12 thoracic, 5 lumbar, 5 fused with each other sacral and

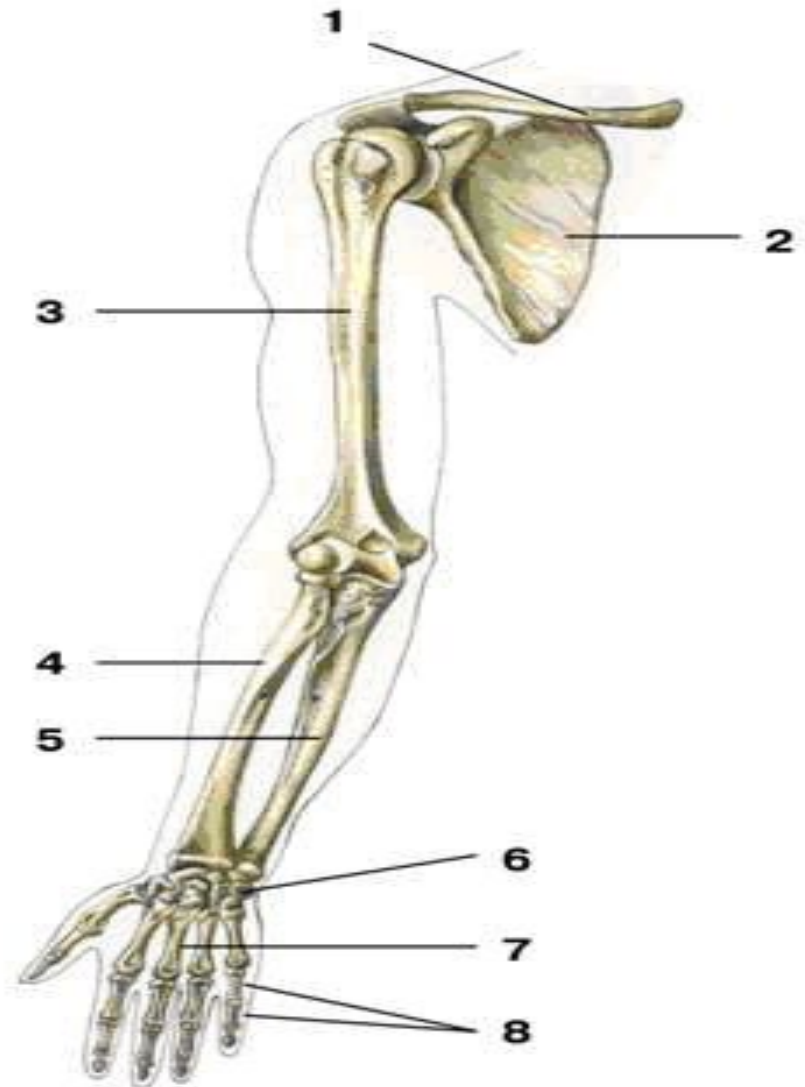
4



- The chest is formed by the thoracic vertebrae, 12 pairs of ribs and sternum.



The belt of the upper extremities consist of the clavicle, scapula, shoulder, forearm and hand



- The belt of the lower extremities include the pelvic bones, femur, patella, fibula, tibia and foot

