

SKULL 2

1. The skull consists of 22 bones:
 - i. 8 **cranial bones** that form the cranial cavity to enclose and protect the brain
 - ii. 14 **facial bones** that form the face
2. The 8 cranial bones (each having specific **surface markings**) are:
 - i. **frontal bone**
 - a. **frontal squama (vertical plate)**
 - b. **supraorbital margin**
 - c. **supraorbital foramen**
 - d. **frontal sinuses**
 - ii. two **parietal bones**
 - iii. two **temporal bones**, each one having:
 - a. **temporal squama**
 - b. **zygomatic process** (which contributes to the **zygomatic arch**)
 - c. **mandibular (glenoid) fossa**
 - d. **articular tubercle**
 - e. **mastoid portion**
 - f. **external auditory (acoustic) meatus**
 - g. **mastoid “air cells”**
 - h. **mastoid process**
 - i. **internal auditory (acoustic) meatus**
 - j. **styloid process**
 - k. **stylomastoid foramen**
 - l. **petrous portion**
 - m. **carotid foramen**
 - n. **jugular foramen**
 - iv. **occipital bone**
 - a. **foramen magnum**
 - b. **occipital condyles**
 - c. **hypoglossal foramen**
 - d. **external occipital protuberance**
 - e. **superior nuchal lines**
 - f. **inferior nuchal lines**
 - v. **sphenoid bone**
 - a. **body**
 - b. **sphenoidal sinuses**
 - c. **sella turcica**
 - d. **greater wings** (each having a foramen ovale)
 - e. **lesser wings**
 - f. **optic foramen**
 - g. **superior orbital fissure**
 - h. **pterygoid processes**
 - vi. **ethmoid bone**
 - a. **lateral masses**
 - b. **ethmoidal sinuses**
 - c. **perpendicular plate**
 - d. **cribriform plate**
 - e. **olfactory foramina**
 - f. **crista galli**

- g. **superior nasal conchae (turbinates)**
- h. **middle nasal conchae (turbinates)**
- 3. The 14 facial bones (each having specific **surface markings**) are:
 - i. two **nasal** bones
 - ii. two **maxillae**, each one having:
 - a. **maxillary sinus**
 - b. **alveolar process with alveoli**
 - c. **palatine process**
 - iii. two **zygomatic** bones, each one having:
 - a. **temporal process** (which contributes to the **zygomatic arch**)
 - iv. two **lacrimal** bones, each one having:
 - a. **lacrimal fossa**
 - v. two **palatine** bones, each one having:
 - a. **horizontal plates**
 - vi. two **inferior nasal conchae (turbinates)**
 - vii. **vomer**
 - viii. **mandible**
 - a. **body**
 - b. **rami**
 - c. **angle**
 - d. **condylar process**
 - e. **temporomandibular joint**
 - f. **coronoid process**
 - g. **mandibular notch**
 - h. **alveolar process with alveoli**
 - i. **mental foramen**
 - j. **mandibular foramen**
 - k. **mandibular canal**