**Skull Guided Notes**

**Skull has 28 Bones and the Hyoid Bone**

-\_\_\_ single

-\_\_\_ paired

**Cranium**

-Single

 -\_\_\_\_\_\_\_\_\_\_\_\_

 -Sphenoid

 -\_\_\_\_\_\_\_\_\_\_\_\_

 -Occipital

**Face**

-Single

 -\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 -Vomer

-Paired

 -\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 -Zygomatic

 -\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 -Inferior Nasal \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 -\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Auditory Ossicles (Bones of the ear)**

-Malleus

-\_\_\_\_\_\_\_\_\_\_\_

-Stapes

**Frontal (1)**

Markings:

-Anterior Cranial Fossa-supports \_\_\_\_\_\_\_\_\_\_\_ lobe

-Frontal Squama-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-Supraorbital Margins-\_\_\_\_\_\_\_\_\_\_\_ bone at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-Glabella- \_\_\_\_\_\_\_\_\_ area between \_\_\_\_\_\_\_\_\_\_\_

-Supraorbital foramen-passage for \_\_\_\_\_\_\_\_\_\_\_ and nerves

-Frontal sinuses- lateral to \_\_\_\_\_\_\_\_\_\_\_\_\_

**Parietal (2)**

-on top; lateral \_\_\_\_\_\_\_\_\_ of the skull

-Sutures

1. Coronal-parietal meets \_\_\_\_\_\_\_\_\_\_\_\_\_

2. Sagittal-parietal meets \_\_\_\_\_\_\_\_\_\_\_\_\_

3. Lamboidal-parietal meets \_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Squamous-parietal meets \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Occipital (1)**

-Posterior cranial fossa- supports \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-Foramen Magnum- connects with spinal cord (opening at base of skull)

-Hypoglossal canals- passage for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nerves

-Occipital condyles-permits the “\_\_\_\_\_\_\_\_\_\_\_\_\_” motion

**Temporal (2)**

-Zygomatic process-posterior \_\_\_\_\_\_\_\_\_\_\_\_\_

-Mandibular fossa-forms part of the \_\_\_\_\_\_\_ (temporal mandibular joint)

-External auditory meatus-ear \_\_\_\_\_\_\_\_

-Styloid process-attaches \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ muscles and \_\_\_\_\_\_\_\_\_\_ bone

-Mastoid process-\_\_\_\_\_\_\_\_\_\_\_\_ neck muscles

-Stylomastoid foramen-passage for facial \_\_\_\_\_\_\_\_\_\_

-Middle cranial fossa- \_\_\_\_\_\_\_\_\_\_\_\_\_ temporal lobe

**Sphenoid (1)**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ shaped bone that articulates with \_\_\_\_ other cranial bones

-Sella turcica-encloses \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gland

-Greater wings

-Lesser \_\_\_\_\_\_\_\_\_

-Pterogoid processes-anchors \_\_\_\_\_\_\_\_\_\_\_\_ muscles

 -Sphenoid sinus

-Several \_\_\_\_\_\_\_\_\_\_\_\_\_ for passing \_\_\_\_\_\_\_\_\_\_\_\_\_ and nerves

**Ethmoid (1)**

-Cribiform plate- \_\_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_\_\_ cavities that has holes that allows passage for \_\_\_\_\_\_\_\_\_\_\_\_\_ nerves to pass into the \_\_\_\_\_\_\_\_\_\_\_ (looks like a sieve)

-Crista galli-\_\_\_\_\_\_\_\_\_\_\_ brain to cranial \_\_\_\_\_\_\_\_\_\_\_\_

-Ethmoid sinus

**Facial Bones:**

**Mandible**

-Body-\_\_\_\_\_\_\_

-Alveolar margins-\_\_\_\_\_\_\_\_\_\_ teeth

-Mental \_\_\_\_\_\_\_\_\_\_\_\_-passage for blood vessels and \_\_\_\_\_\_\_\_\_\_\_\_ to the chin

-Rami-\_\_\_\_\_\_ uprights from the body

-Mandibular notch-superior \_\_\_\_\_\_\_\_\_

-Coronoid process-insertion of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ muscle (anterior)

-Mandibular condyle-articulates with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ bone

-Mandibular \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-medial surface of rami, \_\_\_\_\_\_\_\_\_\_ to the lower \_\_\_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ area)

**Maxillary**

-\_\_\_\_\_\_\_\_\_\_\_\_\_\_ margins-holds \_\_\_\_\_\_\_\_\_ teeth

-Palantine process-anterior \_\_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_ palate

-Frontal process-part of the \_\_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_

-Maxillary sinus-\_\_\_\_\_\_\_\_\_\_\_ sinus

**Zygomatic (2)**

-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-articulates with \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (posterior) and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (anterior)

**Nasal Bones (2)**

-\_\_\_\_\_\_\_\_\_\_ medially to form the \_\_\_\_\_\_\_\_\_\_\_ of the nose

**Lacrimal (2)**

-\_\_\_\_\_\_\_\_\_\_\_\_\_\_, forms the \_\_\_\_\_\_\_\_\_\_\_\_ wall of the orbit

-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ fossa-houses \_\_\_\_\_\_\_\_ ducts

Palantine Bones (2)

-posterior \_\_\_\_\_\_\_\_\_ palate

**Vomer (1)**

**-\_\_\_\_\_\_\_\_\_\_** shape, part of the nasal \_\_\_\_\_\_\_\_\_\_\_

**Inferior Nasal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2)**

-part of the \_\_\_\_\_\_\_\_\_ cavity

**Sinuses**

-Para-nasal-around the nasal cavity

 -Function-\_\_\_\_\_\_\_\_\_\_\_\_ skull, enhance \_\_\_\_\_\_\_\_\_, warms and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ inspired air

**Hyoid (1)**

-In the anterior \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and is the only bone that’s \_\_\_\_\_\_\_ touching another bone. It \_\_\_\_\_\_\_\_\_\_ the \_\_\_\_\_\_\_\_\_\_\_\_\_

**Auditory Ossicles (bones of the ear)**

-Malleus

-\_\_\_\_\_\_\_\_\_\_\_

-Stapes

-Function- tiny \_\_\_\_\_\_\_\_\_\_\_\_\_\_ join in a \_\_\_\_\_\_\_\_\_. Transmits \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from the eardrum

**Fetal Skull-Very \_\_\_\_\_\_\_\_ and Incomplete**

-Allows \_\_\_\_\_\_\_\_\_\_\_\_\_ through the birth \_\_\_\_\_\_\_\_\_

-Allows brain \_\_\_\_\_\_\_\_\_\_\_

-Birth-cranium is \_\_\_\_\_\_\_\_\_ compared to the \_\_\_\_\_\_\_\_\_\_ bones

-From ages \_\_\_\_\_\_\_\_\_\_, the face grows

-\_\_\_\_\_\_\_\_\_, nose \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ become \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ passages and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ teeth develop

**Wormian Bones**

-tiny \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ shaped bones that appear in \_\_\_\_\_\_\_\_\_\_\_\_\_\_ lines

-\_\_\_\_\_\_\_\_\_ among individuals

-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_