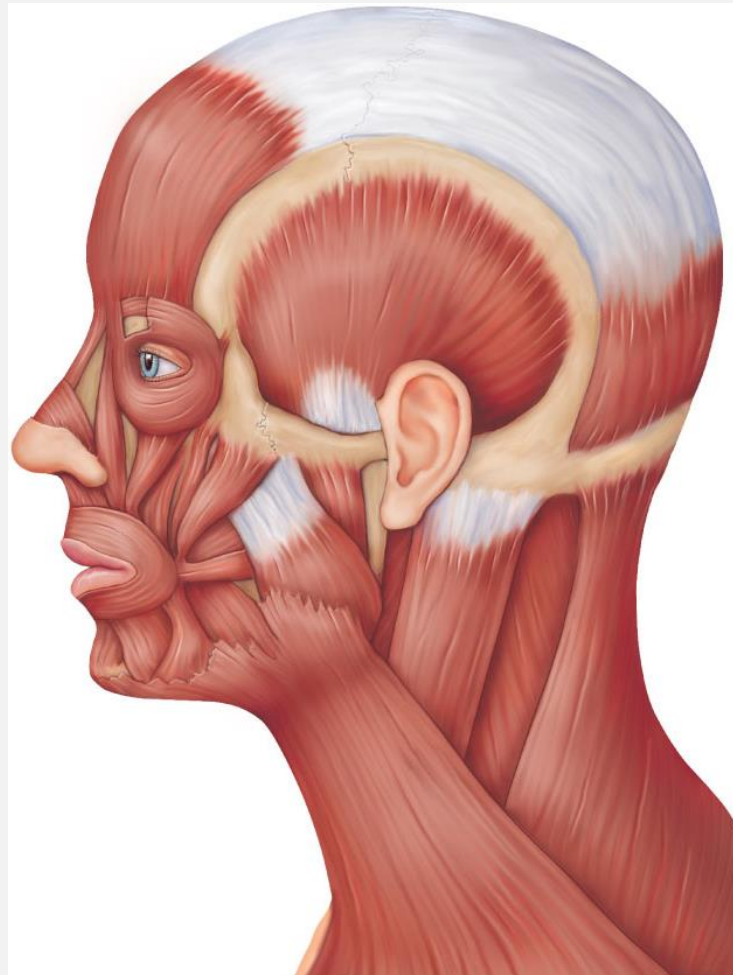
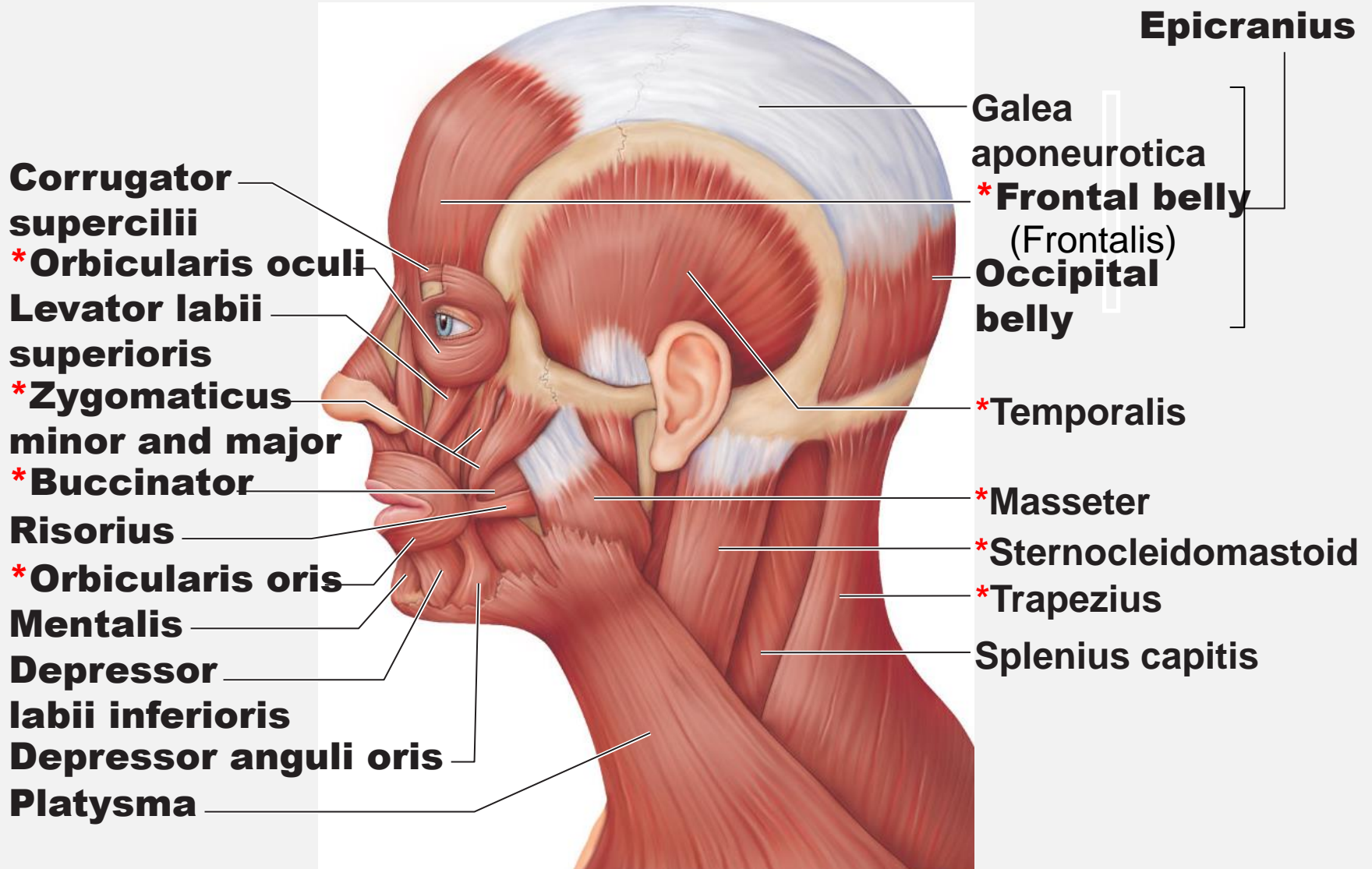


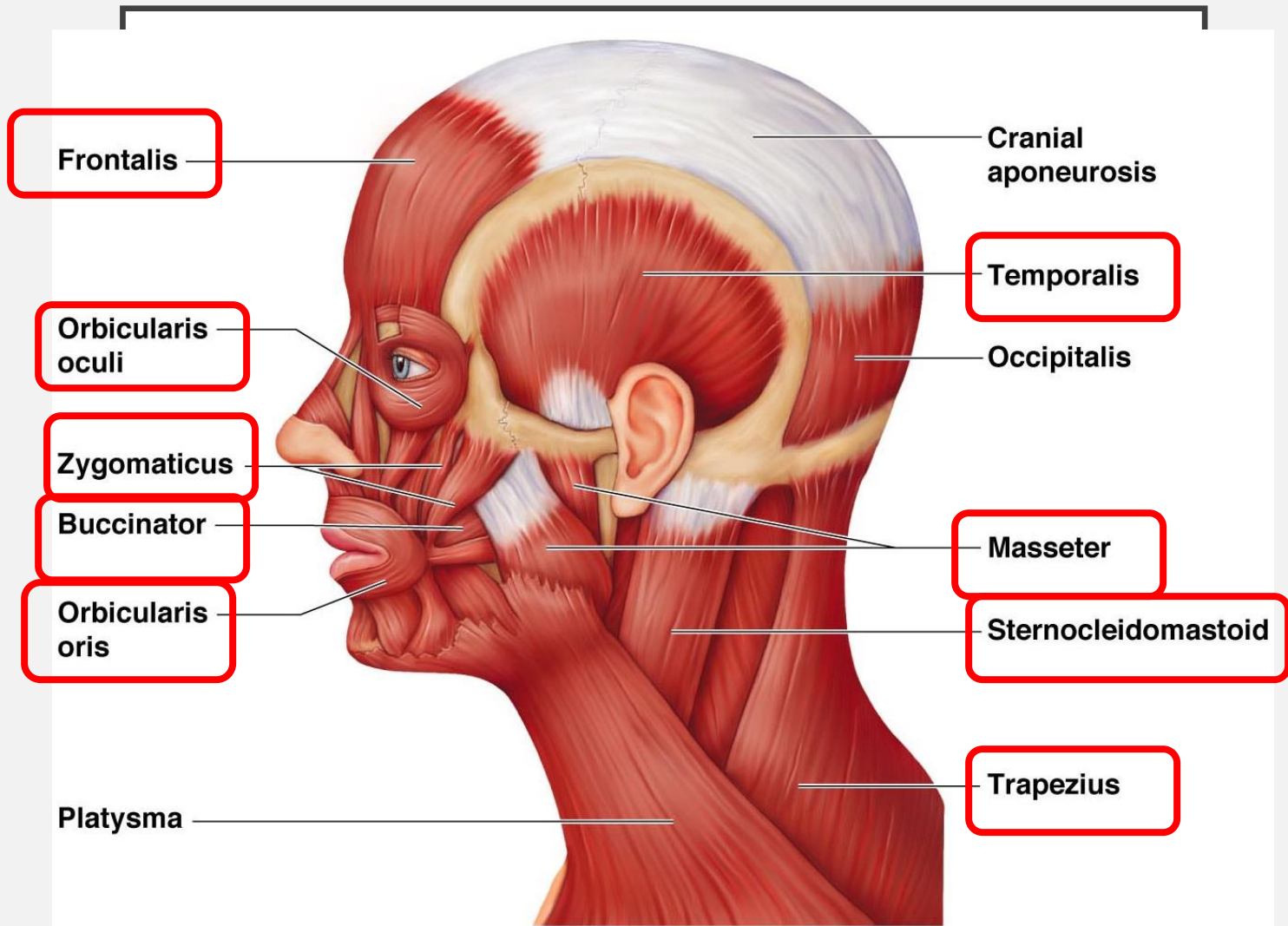
# THE MUSCULAR SYSTEM

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KHMC



# Muscles that cause facial expressions and that move the head





# MUSCLES OF MASTICATION AND TONGUE

## Four pairs:

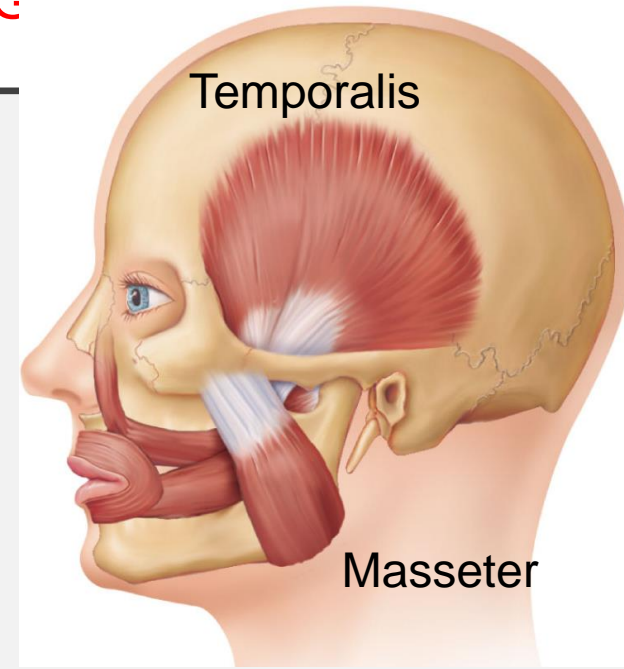
### 1. Prime movers of jaw closure

#### a) Temporalis and masseter

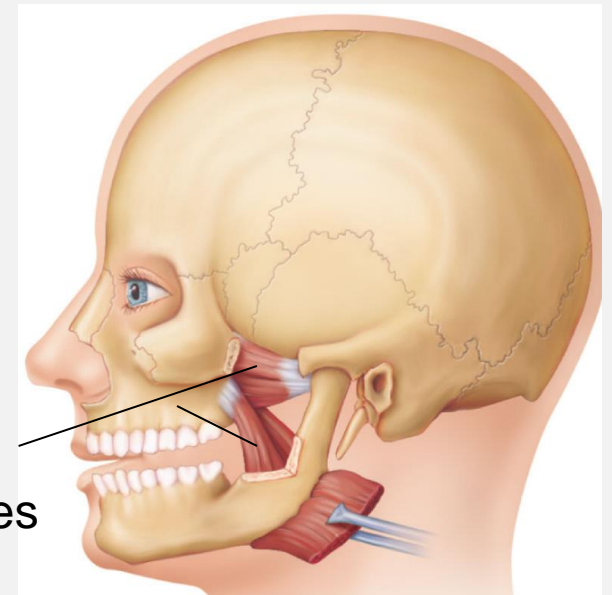
- Cranial Nerve VII, Facial
- Do in lab

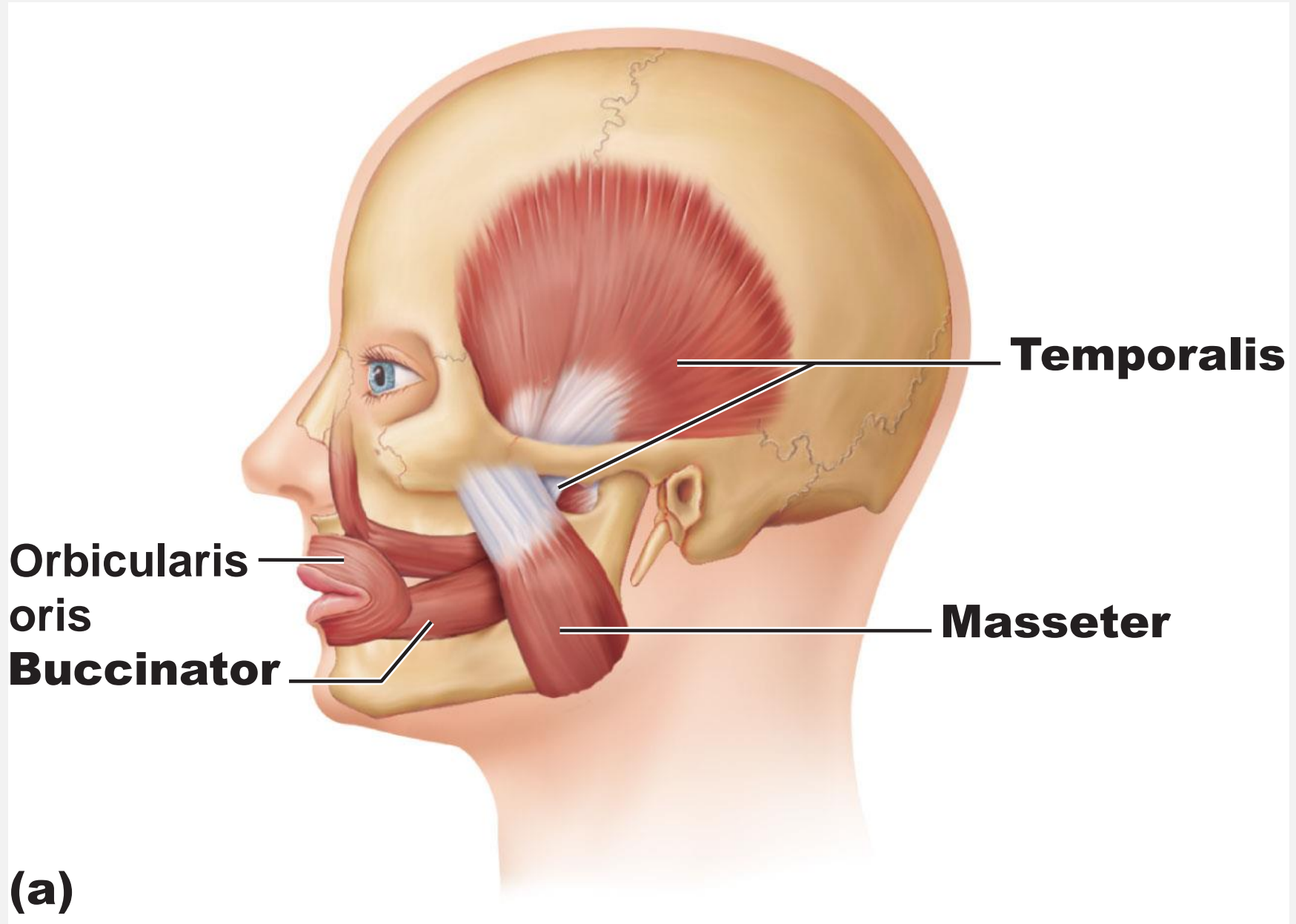
### 2. Grinding movements

#### b) Medial and lateral pterygoids Cranial nerve V (trigeminal nerve)



Medial & Lateral pterygoid muscles





**Temporalis**

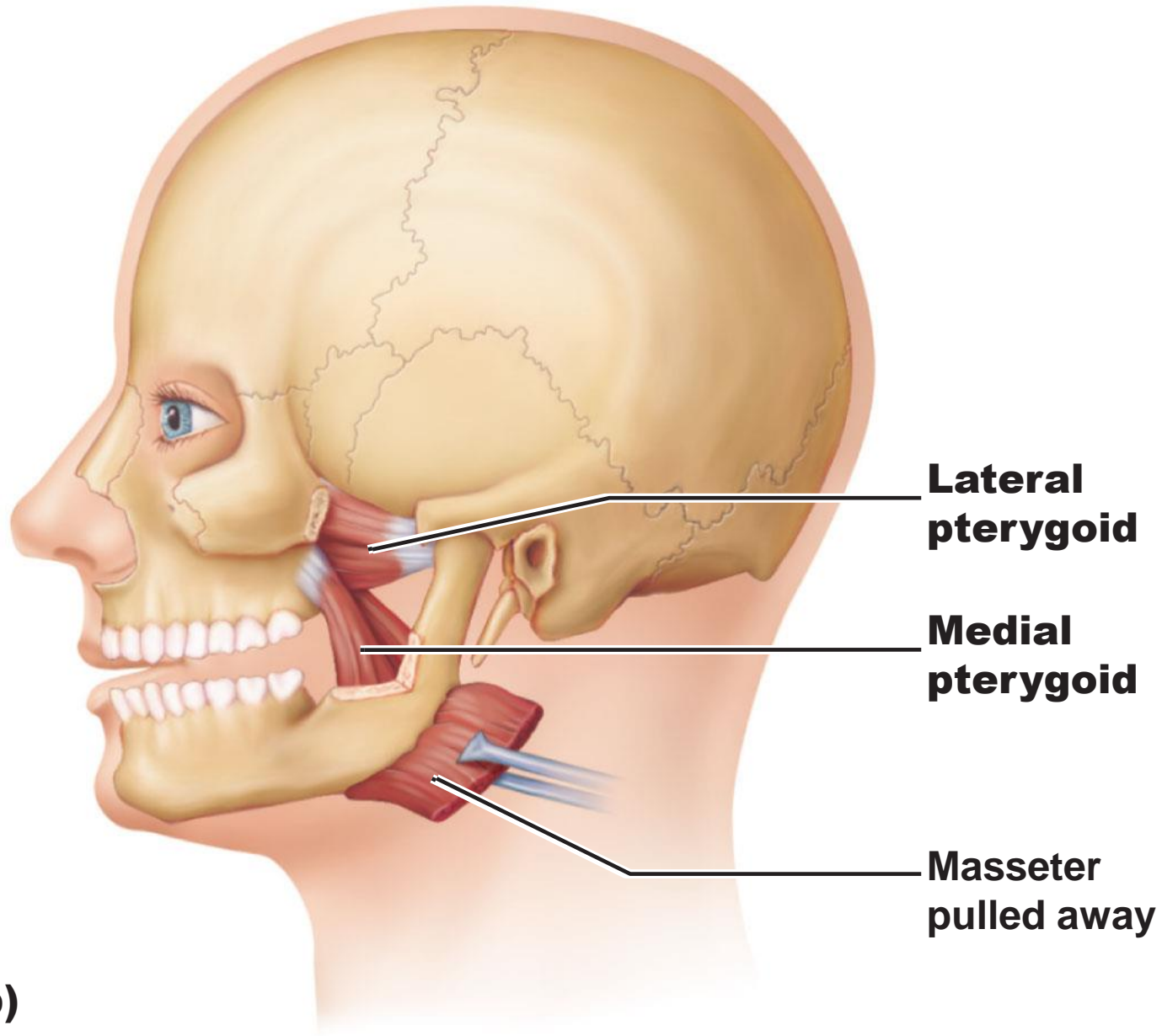
**Masseter**

**Orbicularis oris**

**Buccinator**

**(a)**





**(b)**

## B. FACIAL EXPRESSION MUSCLES

a) Epicarnius-Frontal Belly = Frontalis

- Elevates eyebrows & wrinkles forehead

b) Orbicularis muscles = muscle forms a ring around a part of the face

i) Orbicularis Oculi: encircles eye

- Closes eye

ii) Orbicularis Oris: encircles lips/mouth

- Brings lips together, kissing

c) Zygomaticus (two parts)

- Elevates sides of mouth, smiling

d) Buccinator—

- Compresses cheeks inward-- wistling

## C. MUSCLES OF THE NECK THAT MOVE HEAD

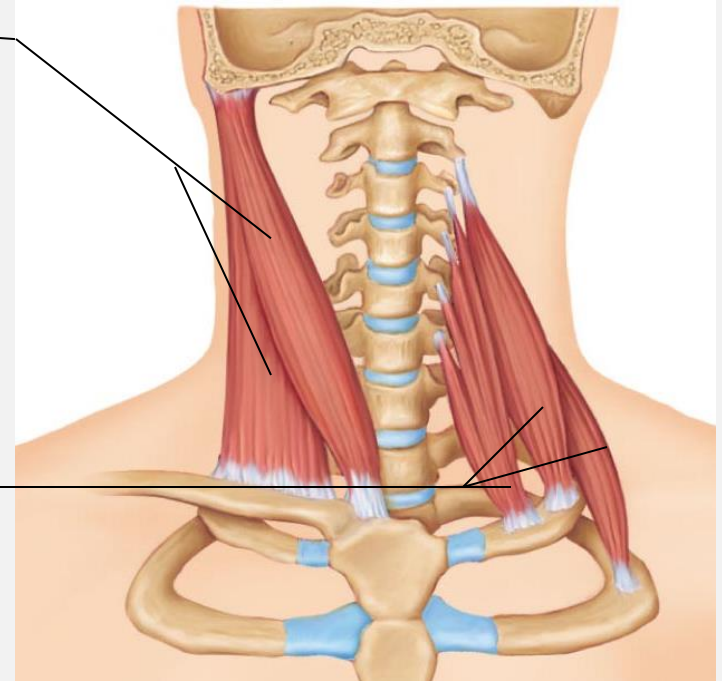
### FLEXION

#### a) Sternocleidomastoid—

- If both sides contract together causes head flexion
- If one side contracts only, causes lateral rotation

#### b) Scalenes—

- deep to Sternocleidomastoid
- Cause lateral head rotation

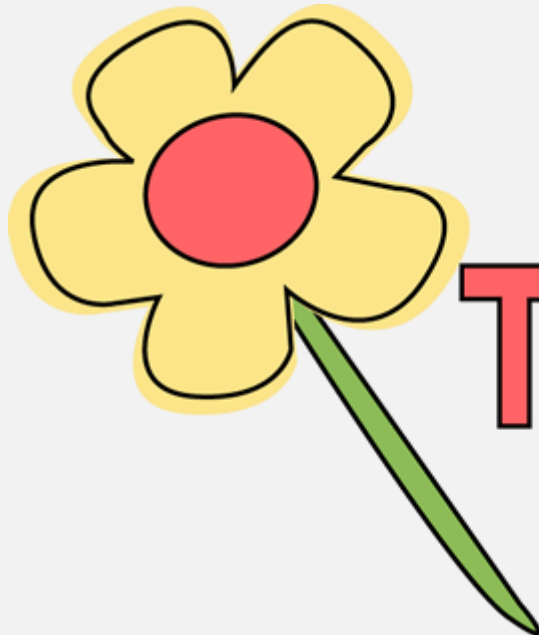


### EXTENSION

#### a) Trapezius: upper back muscle that extends to back of head

- Extends head and other movements will do later





Thank  
You