

# ***NOTES: THE RESPIRATORY SYSTEM***

***BASIC FUNCTION:***

***CONSISTS OF:***

***CONDUCTING PORTION:***

***RESPIRATORY PORTION:***

***2 TYPES OF RESPIRATION:***

***1. EXTERNAL RESPIRATION —***

***2. INTERNAL OR CELLULAR RESPIRATION-***

***REQUIRES -***

***GENERATES -***

***STEPS IN CELLULAR RESPIRATION:***

***1.***

***2.***

***3.***

**2 TYPES OF RESPIRATORY TRACTS:**

**1. UPPER RESPIRATORY TRACT-**

**2. LOWER RESPIRATORY TRACT-**

**NOSE —**

**STRUCTURE —**

**FUNCTION — 2**

**PHARYNX -**

**STRUCTURE —**

**FUNCTION — 2**

LARYNX —

*STRUCTURE* —

*FUNCTION* — 2

TRACHEA —

*STRUCTURE* —

*FUNCTION* —

BRONCHI AND BRONCHIOLES —

*STRUCTURE* —

*FUNCTION* —

ALVEOLI —

*STRUCTURE* —

*FUNCTION* —

LUNGS

*SIZE* —

*STRUCTURE* —

*FUNCTION* —

## **RESPIRATION**

***INSPIRATION -***

***CAUSES:***

***EXPIRATION -***

***CAUSES:***

## ***EXTERNAL RESPIRATION***

***EXCHANGE OF GASES IN LUNGS:***

***1. CARBAMINOHEMOGLOBIN-***

***2. MOVES OUT OF***

***3. MOVES INTO***

***4. OXYHEMOGLOBIN -***

## ***INTERNAL RESPIRATION***

***EXCHANGE OF GASES IN CELLS:***

***1. OXYHEMOGLOBIN - —***

***2. MOVES OUT OF***

***3. MOVES INTO***

***4. CARBAMINOHEMOGLOBIN***

**LUNG CAPACITIES:**

**TIDAL VOLUME =**

**EXPIRATORY RESERVE VOLUME: (ERV)**

**INSPIRATORY RESERVE VOLUME: (IRV)**

**RESIDUAL VOLUME:**

**INSPIRATORY CAPACITY =**

**FUNCTIONAL RESIDUAL CAPACITY =**

**VITAL CAPACITY =**

**TOTAL LUNG CAPACITY =**

**ANATOMICAL DEAD SPACE =**

## ***AGING & RESPIRATION:***

### ***TYPES OF BREATHING:***

- 1. EUPNEA —***
- 2. HYPERVENTILATION —***
- 3. HYPOVENTILATION —***
- 4. DYSPNEA —***
- 5. ORTHOPNEA —***
- 6. APNEA —***
- 7. RESPIRATORY ARREST —***

## COMMON RESPIRATORY DISORDERS:

1. RHINITIS —

2. PHARYNGITIS —

3. LARYNGITIS —

4. ACUTE BRONCHITIS —

5. CHRONIC BRONCHITIS —

6. PNEUMONIA —

7. ASTHMA —

8. EMPHYSEMA —

9. HYPOXIA —