



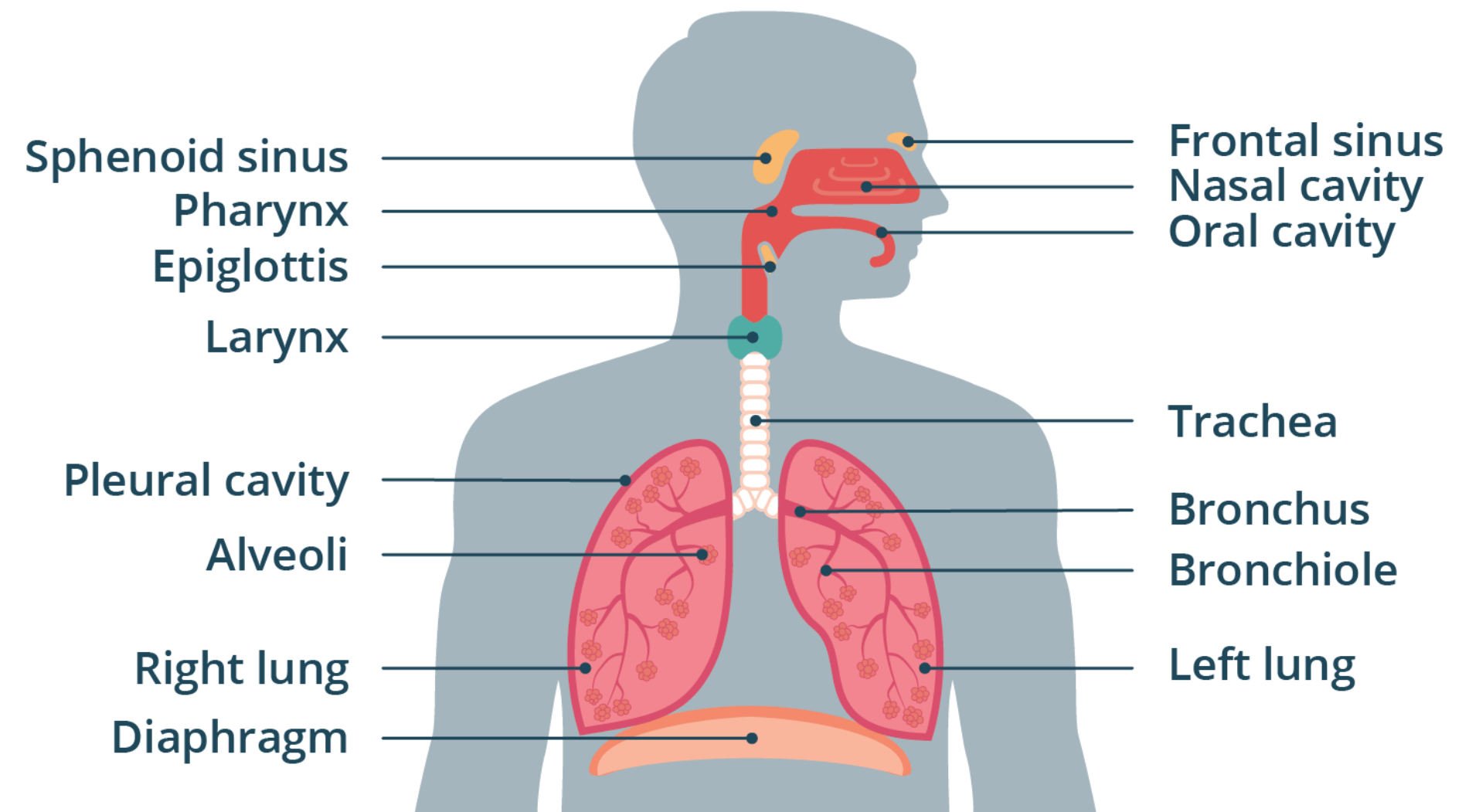
Terms Concerning the Respiratory and Cardiovascular Systems

جامعة ساوة
كلية التقنيات الصحية والطبية
قسم تقنيات البصريات
المرحلة الثانية

respiratory system

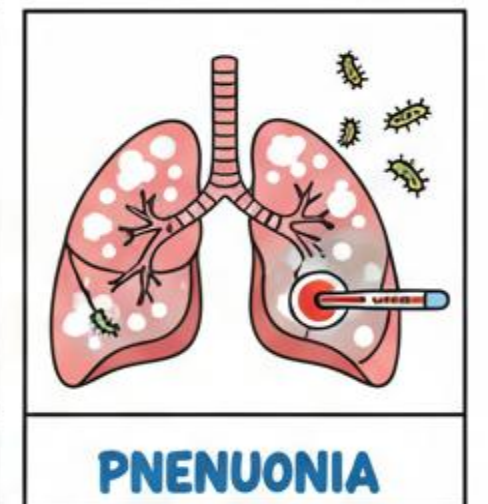
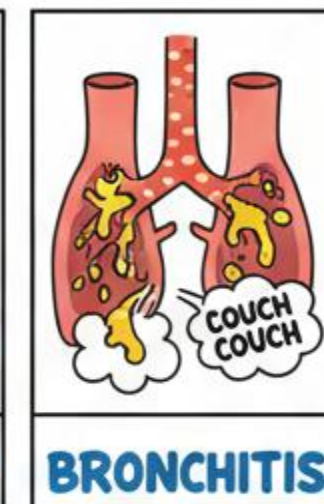
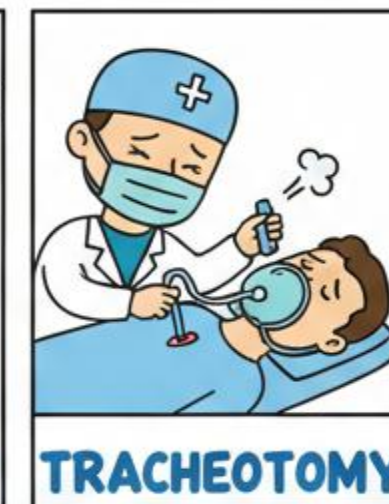
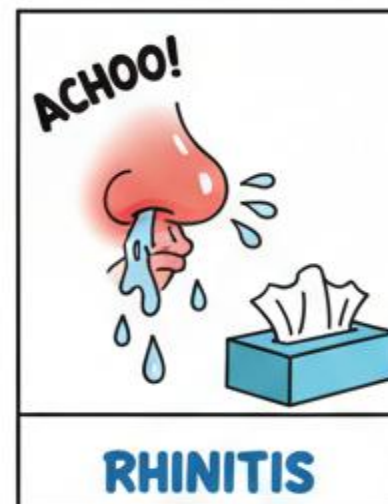
The respiratory system is responsible for **breathing** — the process of taking in **oxygen** and removing **carbon dioxide**.

Major organs include: **nose, pharynx, larynx, trachea, bronchi, and lungs.**



Common Word Roots

Root	Meaning	Example	Meaning
rhin/o	nose	<i>rhinitis</i>	inflammation of the nose
laryng/o	voice box	<i>laryngitis</i>	inflammation of the larynx
trache/o	windpipe	<i>tracheotomy</i>	incision into the trachea
bronch/o	bronchus	<i>bronchitis</i>	inflammation of bronchi
pneum/o	lung	<i>pneumonia</i>	infection of the lungs

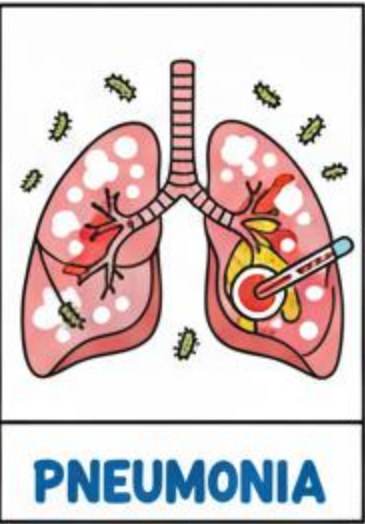
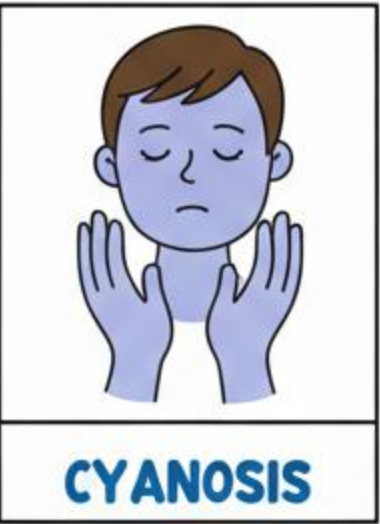


Important Prefixes & Suffixes

Part	Type	Meaning	Example
a-, an-	Prefix	without	<i>apnea</i>
tachy-	Prefix	fast	<i>tachypnea</i>
brady-	Prefix	slow	<i>bradypnea</i>
-pnea	Suffix	breathing	<i>dyspnea</i>
-itis	Suffix	inflammation	<i>bronchitis</i>

Common Terms

Term	Meaning
Dyspnea	Difficulty breathing
Apnea	No breathing
Cyanosis	Bluish skin from low oxygen
Pneumonia	Lung infection
Asthma	Narrowed airways causing breathing problems



Cardiovascular System

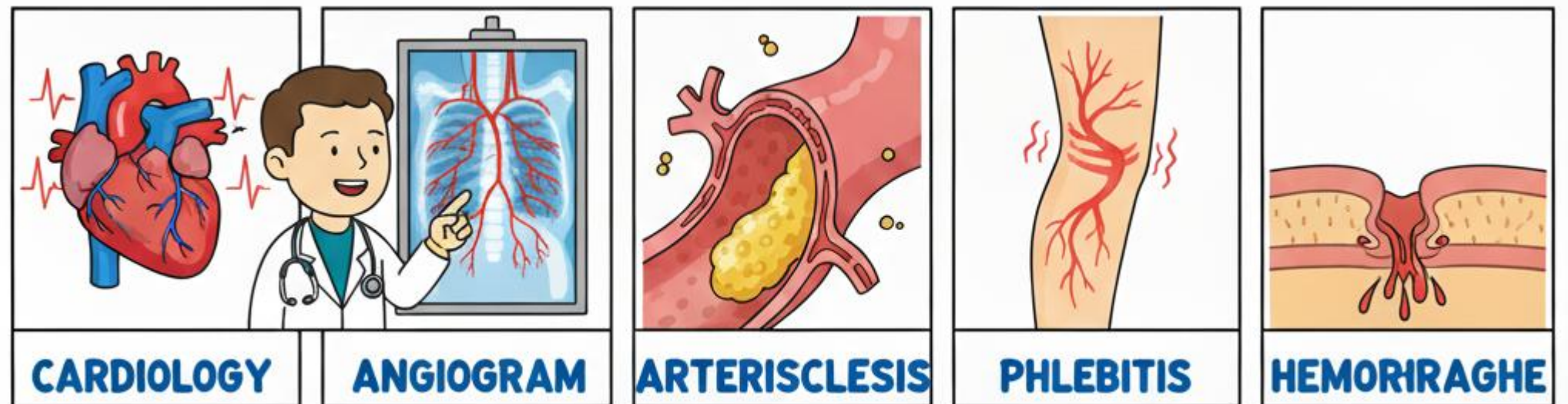
Cardiovascular System

Main Function

The cardiovascular system **transports blood** carrying oxygen and nutrients to all parts of the body.
It includes the **heart**, **blood**, and **blood vessels**.

Common Word Roots

Root	Meaning	Example	Meaning
cardi/o	heart	<i>cardiology</i>	study of the heart
angi/o	vessel	<i>angiogram</i>	X-ray of blood vessels
arteri/o	artery	<i>arteriosclerosis</i>	hardening of arteries
phleb/o	vein	<i>phlebitis</i>	vein inflammation
hem/o	blood	<i>hemorrhage</i>	bleeding



Important Prefixes & Suffixes

Part	Type	Meaning	Example
brady-	Prefix	slow	<i>bradycardia</i>
tachy-	Prefix	fast	<i>tachycardia</i>
endo-	Prefix	inside	<i>endocardium</i>
-emia	Suffix	blood condition	<i>anemia</i>
-megaly	Suffix	enlargement	<i>cardiomegaly</i>

Common Terms

Term	Meaning
Hypertension	High blood pressure
Hypotension	Low blood pressure
Myocardial infarction (MI)	Heart attack
Arrhythmia	Irregular heartbeat
Anemia	Lack of red blood cells