

Quiz 1 Review

Lab 1: Digestion

Key terms:

digestion	tongue	hip	pharynx
amylase	digits	umbilical cord	glottis
hydrolysis	wrist	nipples	epiglottis
starch	ankle	anus	trachea
maltose	elbow	urogenital papilla	esophagus
iodine	knee	scrotal sac	hard palate
Benedict's reagent	shoulder	urogenital opening	soft palate

Understand:

Know how to use iodine to test for starch.

Know how to use Benedict's reagent to test for sugar.

Know how to determine the sex of a fetal pig.

Know why the pharynx is the "crossroads" for air and food.

Know why pigs can breathe and eat at the same time, while humans cannot.

Lab 2: Digestion and respiration

Key terms:

thymus	branchioles	duodenum	spirometer
thyroid	alveoli	cecum	gas exchange
larynx	liver	rectum	diffusion
esophagus	stomach	anus	surface area
heart	pancreas	small intestine	vital capacity
lung	spleen	large intestine	residual volume
diaphragm	gall bladder	villi	+/- pressure breathing

Understand:

Be able to describe the internal structure of the lungs and the process of gas exchange.

Know the difference in appearance of healthy alveoli and diseased alveoli.

Know how lung capacities can be determined with a spirometer.

Compare/contrast the respiratory surfaces/ventilation methods of fish, frogs and humans.

Lab 3: The Heart

Key terms:

left atrium	aorta (aortic arch)	pulmonary veins
right atrium	ductus arteriosus (arterial duct)	pulmonary trunk + arteries
left ventricle	heartbeat	semilunar valves
right ventricle	electrocardiogram ECG (P, QRS, T)	atrioventricular valves
superior vena cava	blood pressure	cardiac veins
inferior vena cava	placenta	coronary arteries
systole/systolic	diastole/diastolic	umbilical vein + arteries

Understand:

Trace blood flow through the heart for both adult and fetal hearts.

Be able to explain how muscles in the heart execute contractions and how the signal travels within the heart.

Know how a heart attack affects the path of the signal within the heart.

Understand what heart rate, blood pressure and ECG are and how to measure them.