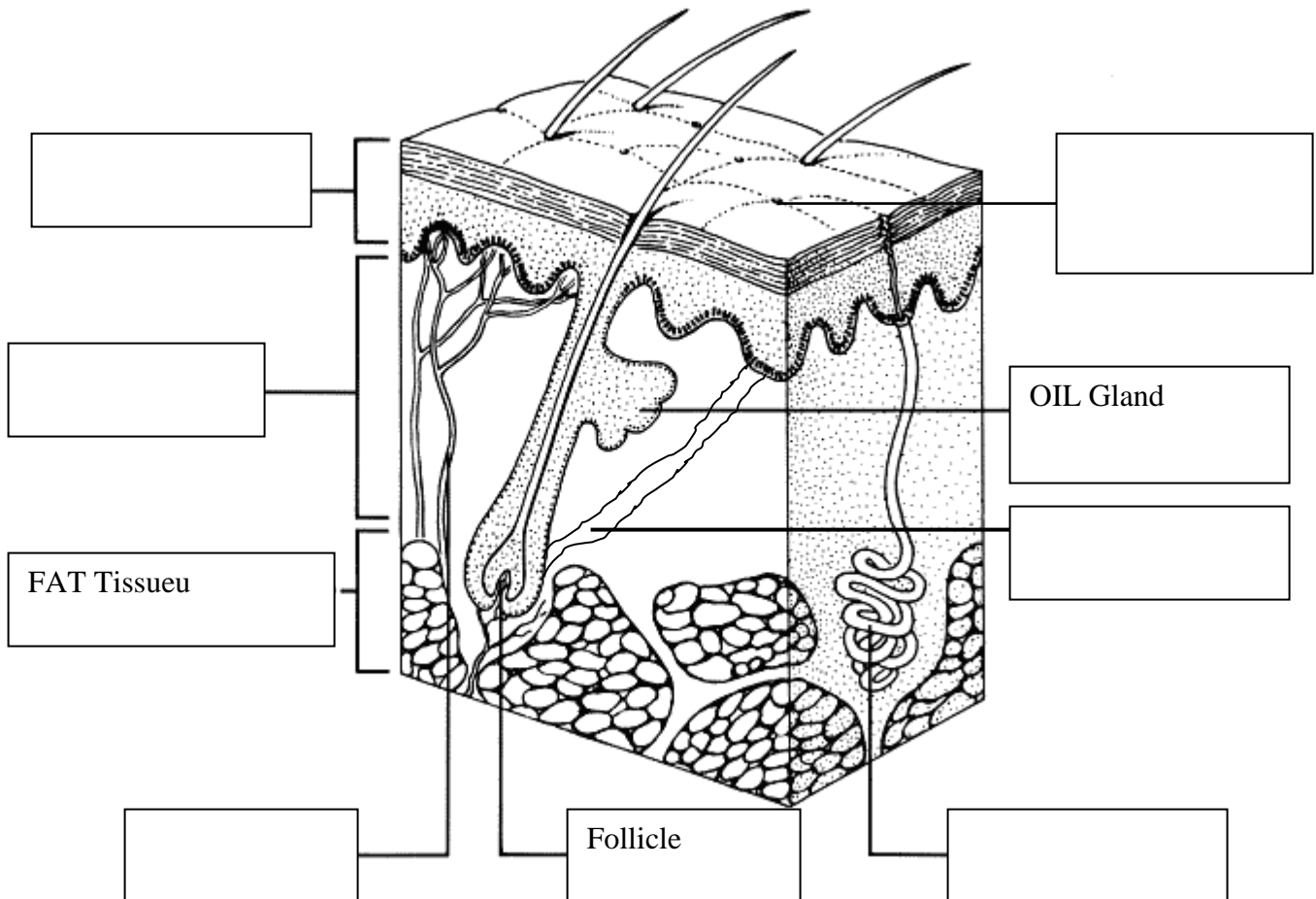


## Organs

### SKIN

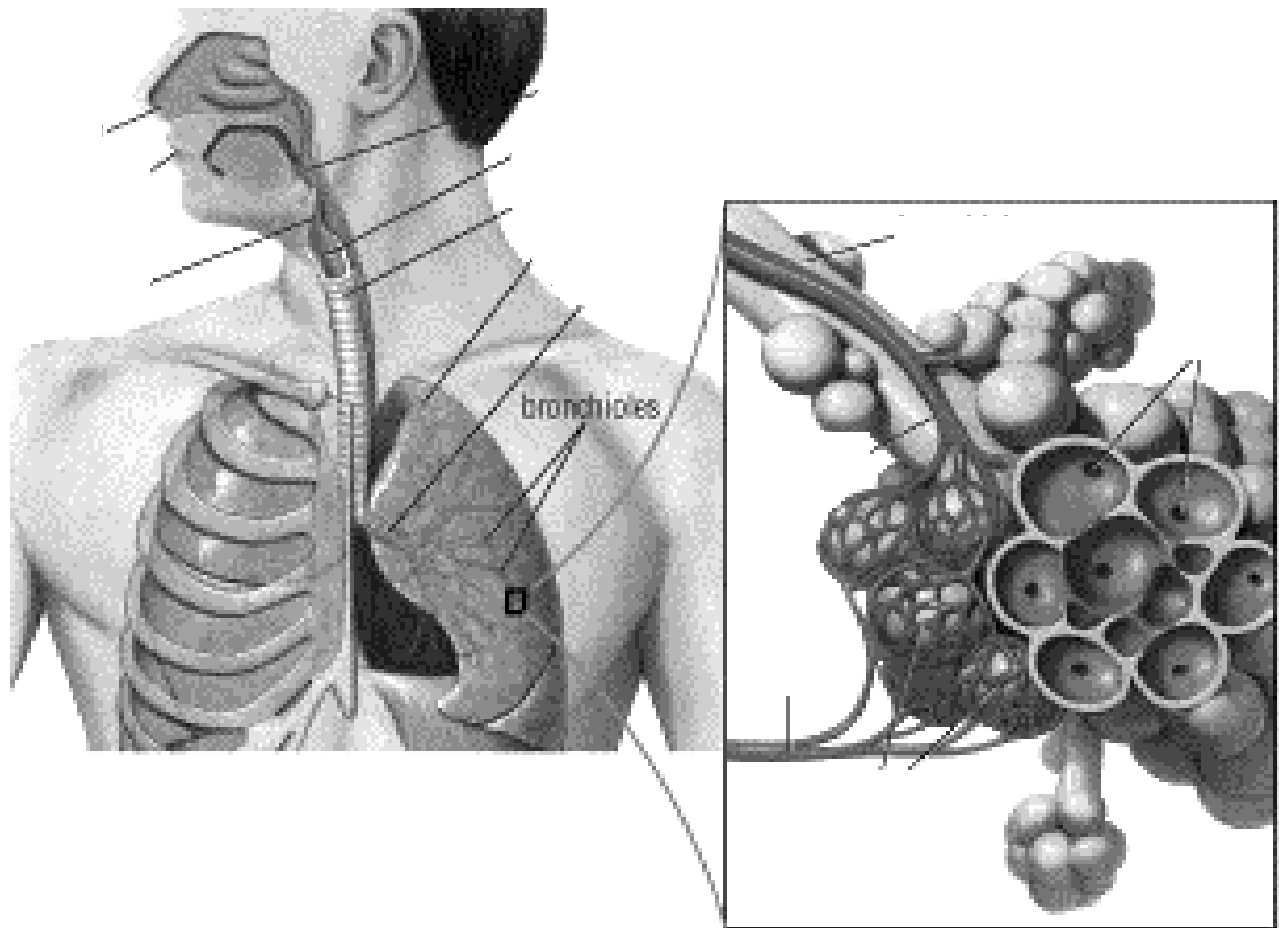


1. What are the roles of the blood vessels?

2. What is the role of the sweat glands?

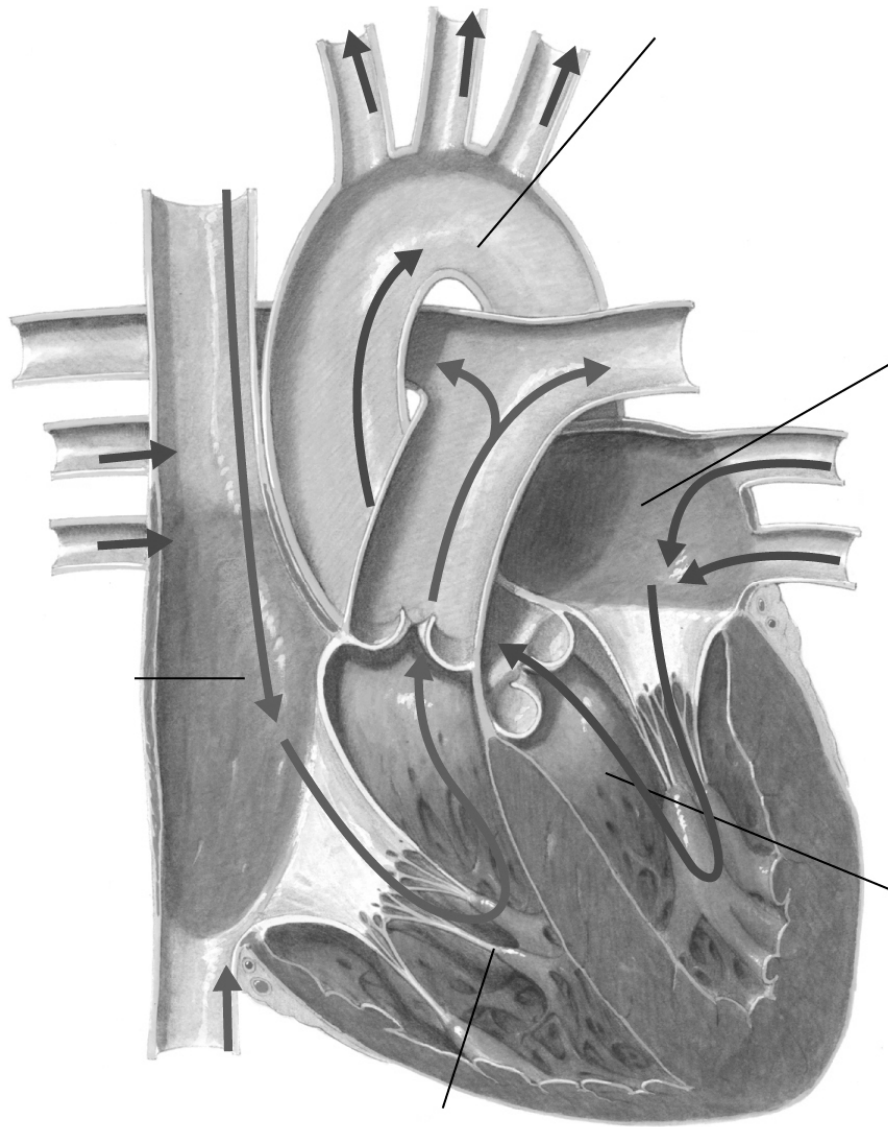
3. What is the role of the fat tissue?

## LUNGS



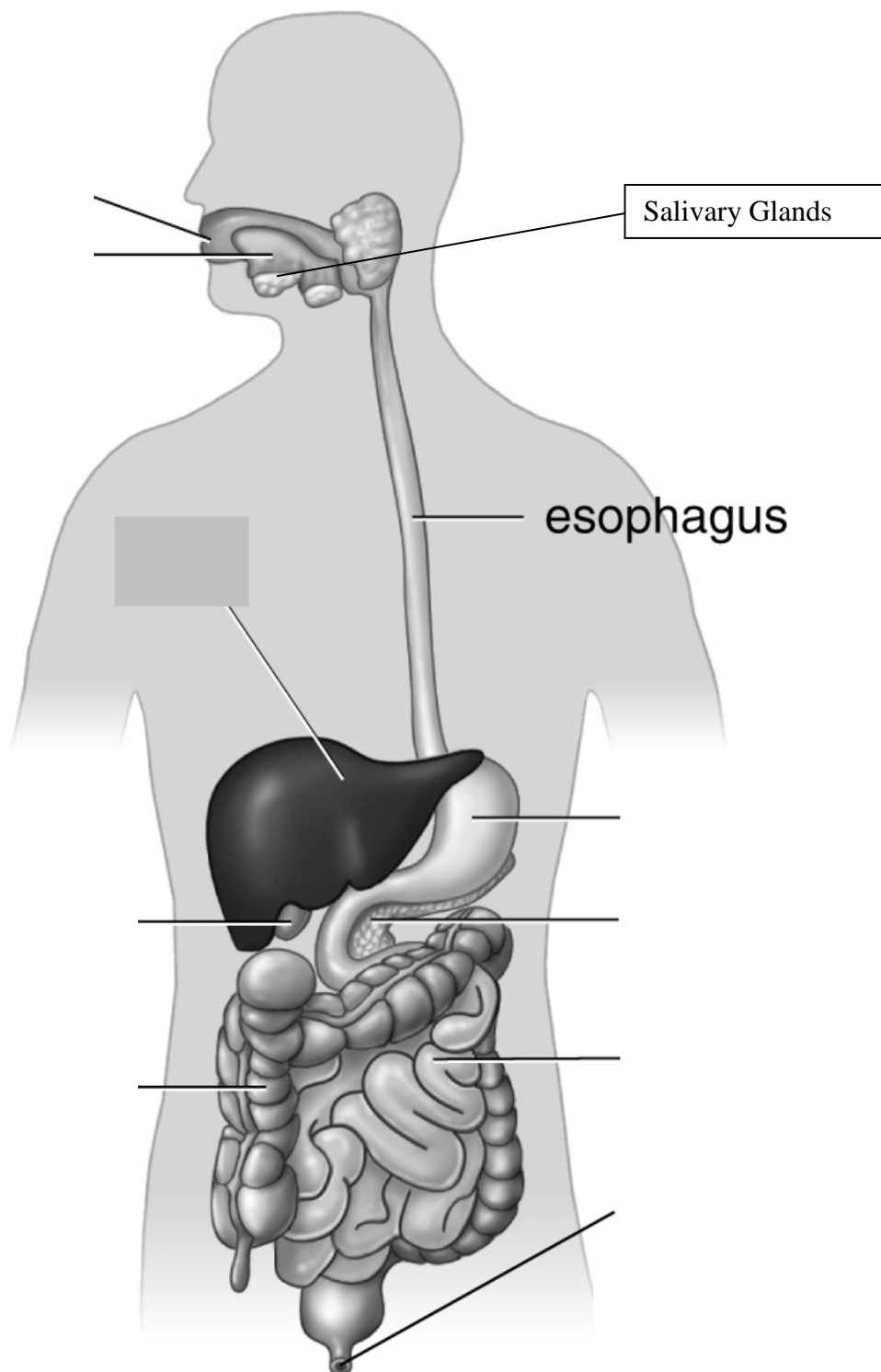
1. Where does oxygen and carbon dioxide exchange take place?
2. Starting with the nose create a list describing the pathway the air travels ending with the alveoli.

## HEART



1. What is the difference between the left and right side of the heart?

## ORGANS OF DIGESTION



What happens to the piece of food that enters the digestive system?

## **Animal organs**

### Organ

- A group of tissues working together to perform a particular function in an organism

### Skin

- Protects the inner cells from damage
- Defense against disease
- Waterproof
- Insulates
- Helps control body temperature:
  - blood flow
  - sweat
  - goosebumps – raising hairs to keep warm air beside skin
- Excretes waste
- Makes vitamin D for bone development
- Nerve endings sense heat, pressure, pain

## Lungs

- Exchange of gases from the bloodstream
- Designed to maximize surface area
- Alveoli are main area of gas exchange
- Oxygen diffuses into the blood
- Carbon dioxide diffuses out
- The concentration of carbon dioxide in our blood determines how often we inhale and exhale

## Heart

- Pump for the circulation of blood
- Right side deoxygenated blood
- Left side oxygenated blood
- Pumps oxygenated blood to body and brain
- Pumps deoxygenated blood to lungs
- LUB – DUB are the sounds of the valves closing

## Digestive Organs

- Break up food – mechanical and chemical
- Push food through the tube – peristalsis
- Absorb nutrients
- Makes vitamin K – in large intestine
- Removes excess waste
- Helps with water balance in the body