

Blood vessels

Artery: wall, lumen, valves?

Blood vessels

Vein: wall, lumen, valves?

Blood vessels

Function of capillaries?

Blood vessels **Supplement**

Why are artery walls thick?

Blood vessels **Supplement**

Capillary structure and function?

Blood vessels

Name the vessels to and from the heart.

Blood vessels

Name the vessels to and from the kidney.

Blood vessels **Supplement**

Name the main vessels of the liver.

Thin wall, wide lumen, valves present.

Thick wall, narrow lumen, no valves.

Blood is at high pressure; thick muscular, elastic walls withstand it.

Exchange of substances between the blood and body cells.

Vena cava and pulmonary vein bring blood in; aorta and pulmonary artery take blood out.

Walls one cell thick and permeable, in a large network, giving a short diffusion distance.

Hepatic artery, hepatic portal vein (from the gut) and hepatic veins.

Renal artery to the kidney; renal vein from the kidney.