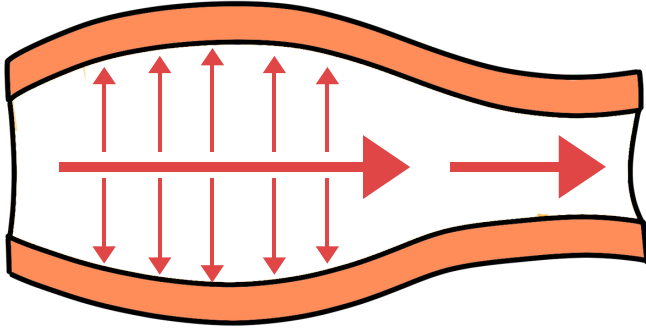
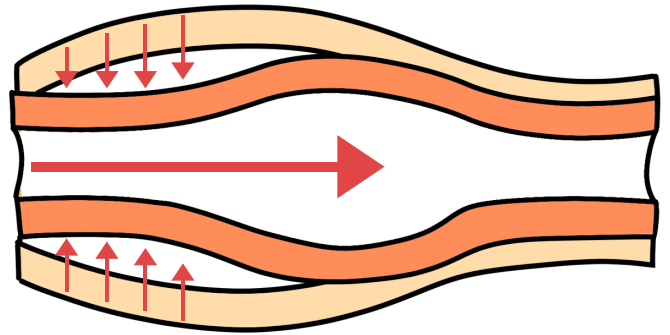


# arterial flow & elastic fibres

The elastic fibres in arteries allow it to contract and expand effortlessly. This mechanism helps sustain the high pressure flow that is necessary for oxygenated blood.



pulse flow



elastic recoil

## **1** heart sends pulse

When the heart sends a pulse, the walls expand outwards.

## **2** walls expand outwards

When the walls go outwards, the elastic fibres stretch to fit the blood.

## **3** blood passes by

The blood is able to pass through the artery and gain travel distance.

## **4** recoil back to normal size

The artery can recoil now that less blood is present, and contracts back.

\*diagram not to scale nor in proper proportion to one another\*