3 The diagram shows how blood vessels divide
to form capillaries in each of your organs.

a Explain how blood changes as it passes
through capillaries in your lungs.

artery

vein

> by diffusion , gas exchange allows carbon dioxide to get out the body and oxygen
> to get from the lungs to the blood / blood will lose CO_2 and gain oxygen

b How does blood change as it passes through the capillaries around your small intestine?

> by diffusion glucose will move from the small intestine into the blood / blood will
> gain glucose

E

The diagrams show open and closed valves. Describe
one place where they are found and explain why they
are needed.

> veins / to prevent the backflow of
> blood

52