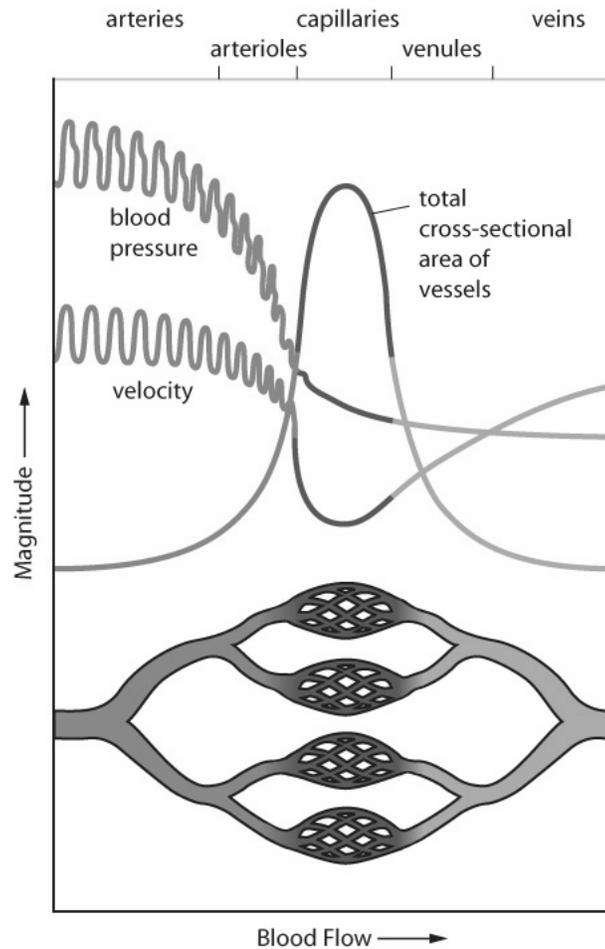


Blood Velocity and Blood Pressure



The diagram above displays the relationship between the cross-sectional area of types of blood vessels and blood pressure and velocity (speed).

1. Capillaries have the greatest cross-sectional area:

a) What is the relative velocity (speed) of the blood as it flows through the capillaries?

b) Why do you think the blood flows through the capillaries at that speed?

Blood Velocity and Blood Pressure

2. Blood pressure:

a) What happens to blood pressure as blood moves from the arteries to the veins?

b) Why does the pressure change as blood moves from the arteries to the veins?

c) What circulatory system organ is responsible for supplying the pressure for the blood?
