















Blood Vessels

ARTERIES	CAPILLARIES	VEINS
Move blood away from the heart	Exchange of materials between blood and tissues	Move blood towards the heart
Has thick muscular walls	Thin walls 1 cell layer thick	Has thin walls
Narrow lumen	1 cell at a time	Wide lumen
No valves	No valves	Valves to prevent backflow
Move blood at high speed	Move blood at low speed. Cells move single file	Move blood at moderate speed
High pressure (blood spurts)	Low pressure	Low pressure (blood flows)
Generally O2 rich (bright red blood)	Links arterioles and venules	Generally O2 low (dark red blood)