

## Box 3.13: Sorting

ARTERIES	CAPILLARIES	VEINS
They carry blood away from heart.	They carry blood through tissues and organs.	They carry blood towards heart.
They contain blood at high pressure.	They contain blood at low pressure.	They contain blood at lowest pressure.
They have no valves.	They have no valves.	They have valves to stop blood flowing back.
They have thick muscular walls.	They have very thin walls for escape of fluids.	They have thinner walls with less muscle.
No substances leave or enter this vessel.	Exchange of substances takes place with tissues in this vessel.	No substances leave or enter this vessel.
A pulse is created by heart pumping & contraction of wall muscle.	There is no pulse.	There is no pulse.
They have strong walls.	They have delicate walls which are easily broken.	They have flexible walls which are squashed easily so blood is pushed further along vessel.
They carry oxygenated blood (with one exception).	They carry a mix of oxygenated and deoxygenated blood.	They carry deoxygenated blood (with one exception).

