

The placenta

In the placenta there are blood vessels from the mother and other blood vessels which lead to the foetus. Materials from the mother's blood diffuse out and these materials then go into the blood vessels of the foetus. The reverse situation also occurs, but blood from the mother and foetus does not mix.

a) Name **two** important substances that the foetus would require from the mother.

_____ and _____

b) Name **two** wastes produced by the foetus that are taken away by the mother's blood.

_____ and _____

c) The blood of the mother does not mix with that of the foetus.
What could happen if it did?
