

13 Inside the kidney – Part 2 —Answers

Answers

Work through these after trying the questions yourself.

13.6 Water, glucose, urea and ions are forced out of the blood (at the glomerulus) into the tubule.

13.7 Any two of: glucose; (some) ions; (most) water.

13.8 Urea, plus excess water and excess ions.

13.9 In the liver, from excess amino acids (by deamination).

13.10 Because it is toxic (poisonous) if it builds up in the blood.

13.11 Glucose is forced out during **filtration**, but during **reabsorption** **all** of it is taken back into the blood. So none is left in the urine (a healthy person reabsorbs it completely).