94) [2] cannot remove waste products and excess water their blood. Dialysis removes waste products.

95) [2] the kidney walls allow waste to pass through
urea, ions, glucose, and amino acids pass

96) [1] the body retains excess H_2O + waste
swelling of hands + feet

97) [1] hemodialysis, ions and other sdute, flow out of blood into the dialysate
[dialysate ion] lower than in blood [High] → [Low]

98) [2] dialysate aq similar to blood serum, but no waste products

99) [2] kidney dialysis

hemodialysis - done at medical centers use dialyzer

Peritoneal - at home uses patients abdominal cavity as a filter

100) [2] adds special formulated dialysis fluid into abdomial cavity waste diffuse across membrane after 15 min fresh bag is used

102) [6] $5\ meq \times \frac{1\ mmol}{2\ meq} \times \frac{1\ mol}{1000\ mmol} = 2.5 \times 10^{-3}\ mol\ Ca^{2+}$ per $500\ cm^3$ sol

$5\ meq \times \frac{1\ mmol}{3\ meq} \times \frac{1\ mol}{1000\ mmol} = 1.7 \times 10^{-5}\ mol\ PO_4^{3-}$ per $500\ cm^3$ sol

10