

## Filmstrip: "Your Kidneys"

Frame	Fill in the Blanks
4	The blood absorbs _____ from cells and organs. The kidneys remove this waste from the _____.
5	The _____ assist in removing wastes such as _____ and _____.
6	The _____ also assist in removing wastes.
11	Human body cells live in a fluid environment, the _____. Wastes pass through the cell _____ into this fluid.
12	The _____ system picks up the wastes and the blood then takes them to the kidneys.
16	There are about one million _____ in each kidney. They produce _____ which drains into the _____.
17	Each kidney is surrounded by an elaborate _____.
18	An _____ carries blood under _____ to the capillaries in _____ capsule.
19	Part of the liquid portion of the blood filters from the _____ into the wall of capsule. _____ and _____ are not filtered (stay in the blood).
20	Microscopic _____ have been used to sample the _____ in the capsule.
21	List some of the substances in the filtrate:
23	The glomerular filtrate contains _____ products as well as _____ substances.
25	More than _____ of the _____ as well as _____, _____, _____ etc. are reabsorbed at the _____ tubule.
26	More than _____ the remaining water is reabsorbed at the _____ of _____ and the _____ tubule.
29	The _____ tubules supplements the filtrate by excreting (secreting) substances into the filtrate. ie.
30	The major waste product released in urine is _____. Which substance is essentially totally reabsorbed from the filtrate? _____
31	The kidneys also excrete _____ and retain _____ in order to maintain blood alkalinity (pH is normally _____).
32	The kidney: 1) _____ 2) _____ 3) _____
36	The nephrons drain into the _____. Urine then passes down the _____ to the _____.