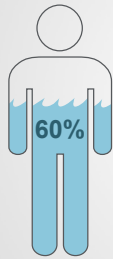




Body water

Where the water is

An average man is 70 kg x 60% water = 42 liters of water



An average man is 70 kg x 60% water = 42 liters of water



The water content is not fixed at 60%

Percentage decreases

→ as you get older

→ as you become fatter



muscle is 75% water

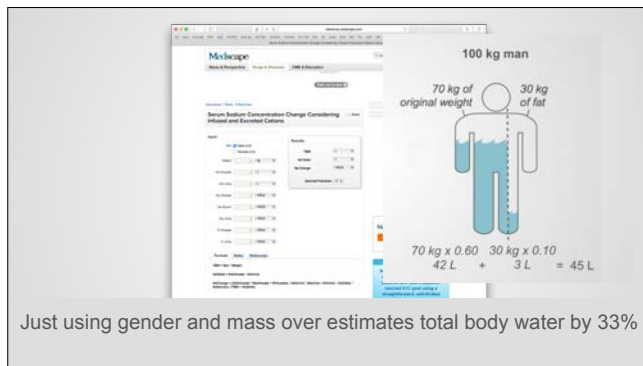
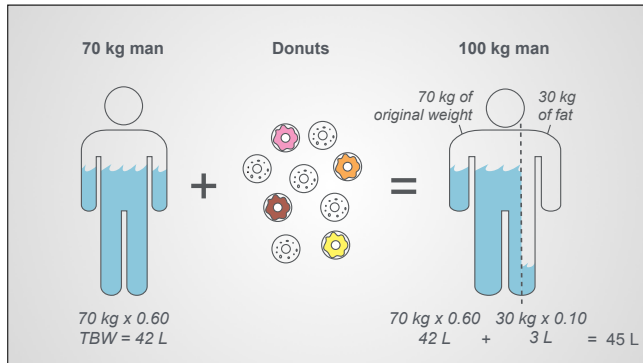
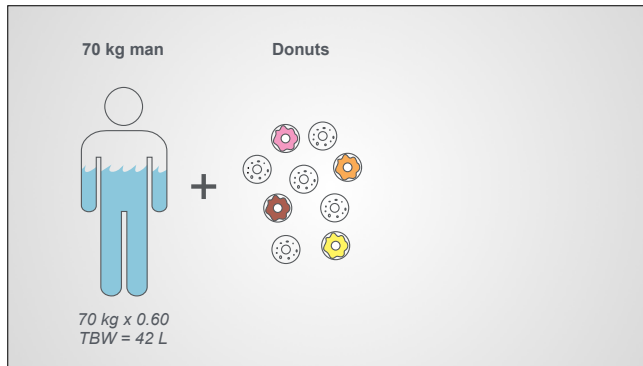


fat is 10% water

70 kg man



$70 \text{ kg} \times 0.60$
 $TBW = 42 \text{ L}$

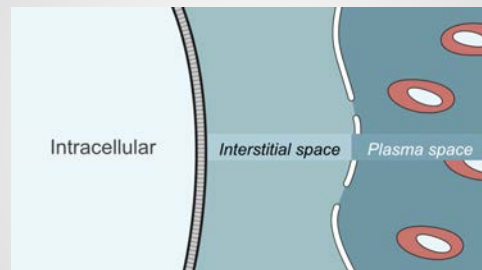
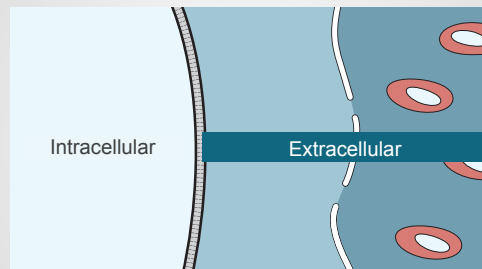


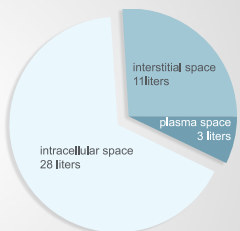
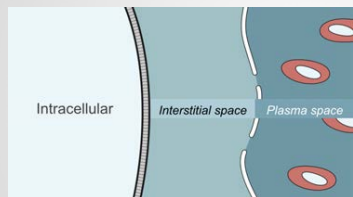
Everything in the body is either

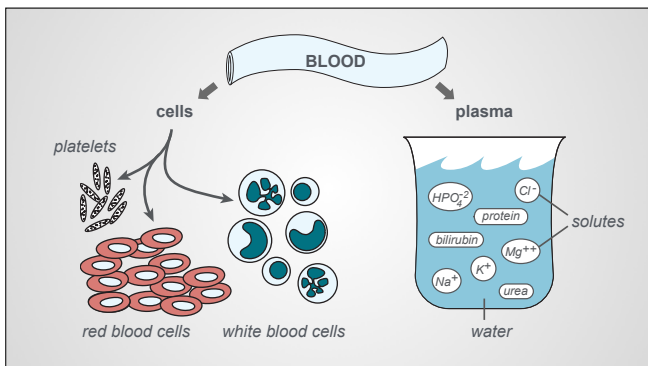
INTRACELLULAR

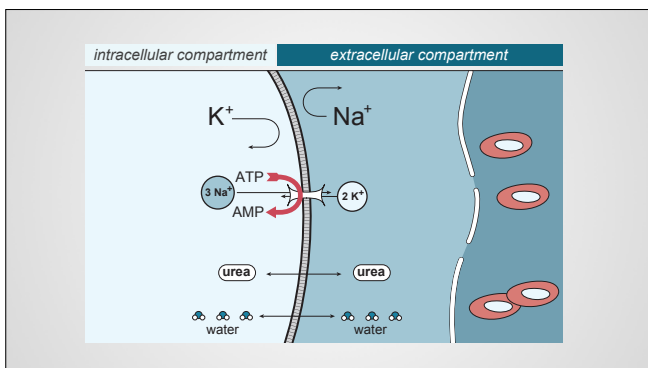
or

EXTRACELLULAR



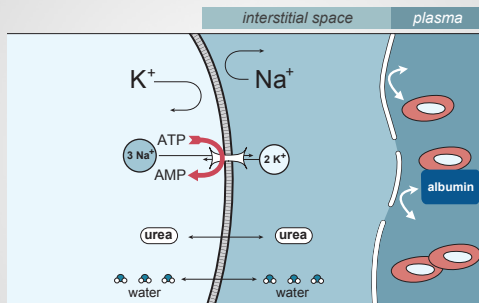








	extracellular	intracellular
sodium	142	10
chloride	105	2
potassium	4	140
magnesium	0.8	1.5
phosphate	0.8	100
calcium	2.4	-
bicarbonate	24	12



Knowing the **electrolyte** composition of
the compartments allows one to predict
how **intravenous fluids** will behave
