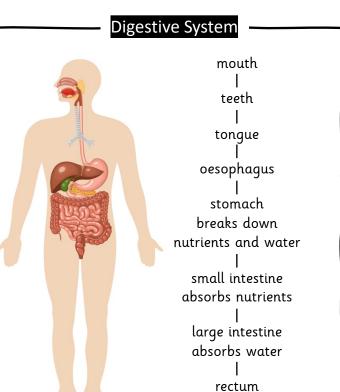
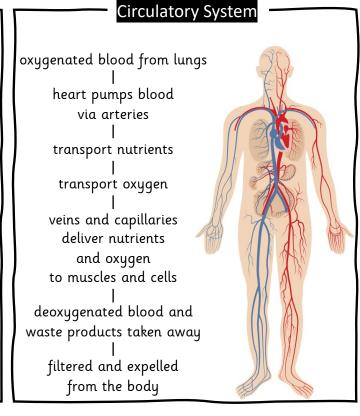


INTRODUCE Animals, including humans: water transportation

Year

Term







kidneys

located either side of the vertebrae

right kidney
(as you look from your eyes)
slightly lower due to the position
of the liver

blood enters the kidneys

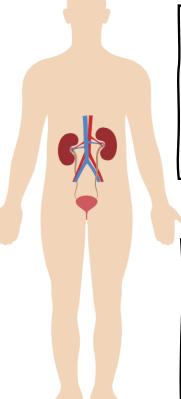
filter out waste substances the
body does not need

kidneys clean the blood

waste materials must be dissolved
in liquid — water

that's why urine is liquid

two kidneys clean about 180 litres
of blood in 24 hours!



kidneys are sophisticated

adjust the amount of water
they excrete
|
on hot days we lose water
through sweat
|
urinate less as the body needs to
conserve water to avoid
dehydration

bladder

muscular sac that receives
urine from the kidneys

|
stores urine before excretion
|
contracts to expel urine



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