

NATURAL SCIENCES & TECHNOLOGY

RESOURCE PACK
GRADE 6 TERM 2



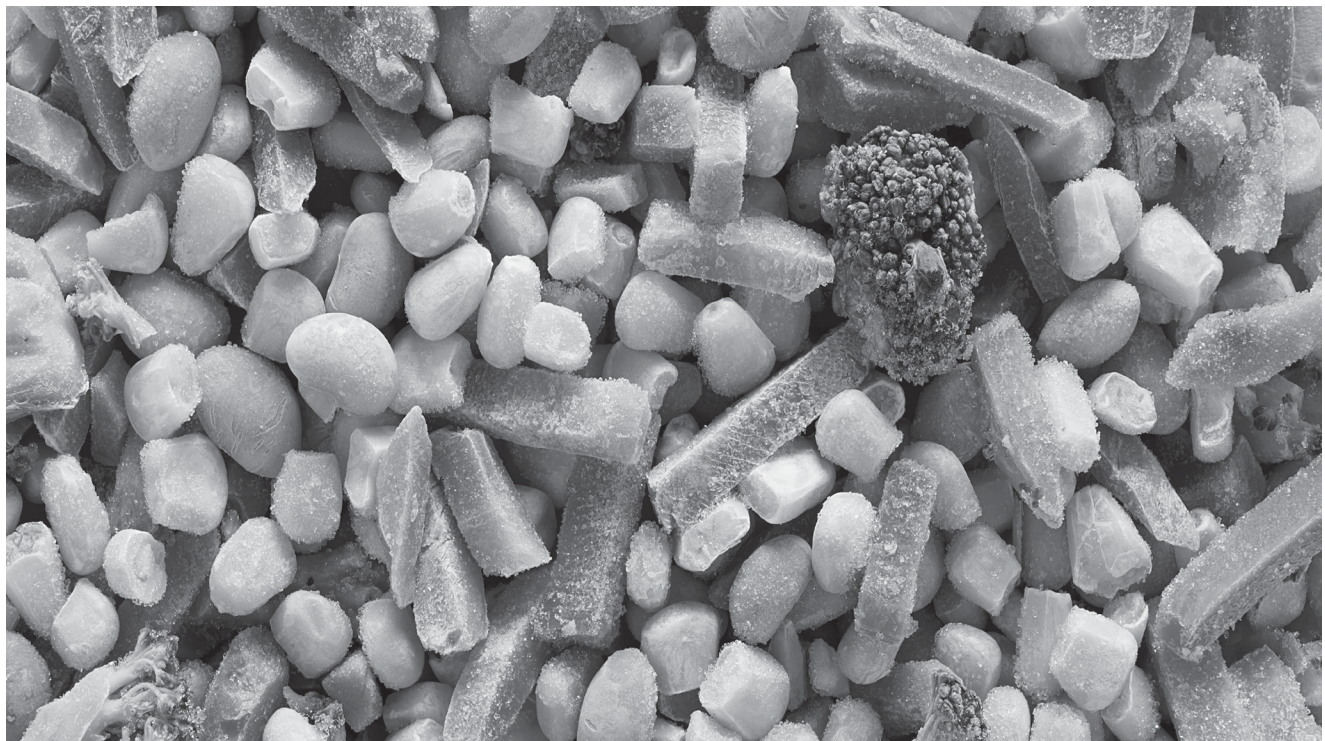
RESOURCE 1

Stock_VectorSale/Shutterstock

MIXTURES: TWO SOLIDS



A mixture of rice and beans



A mixture of frozen vegetables

RESOURCE 2

Stock_VectorSale/Shutterstock

MIXTURES: TWO SOLIDS



A mixture of Namaqualand Daisies



A mixture of wildebeest and zebra

RESOURCE 3

yongyut rukkachatsuwa/shutterstock
Jamesbin/shutterstock

MIXTURES: A SOLID AND A LIQUID



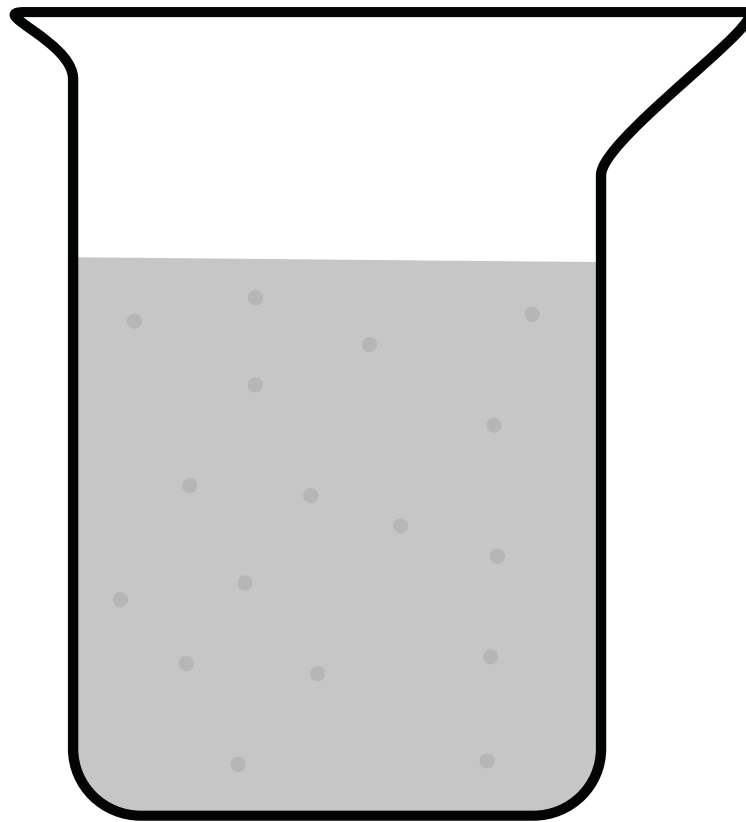
Oil and water



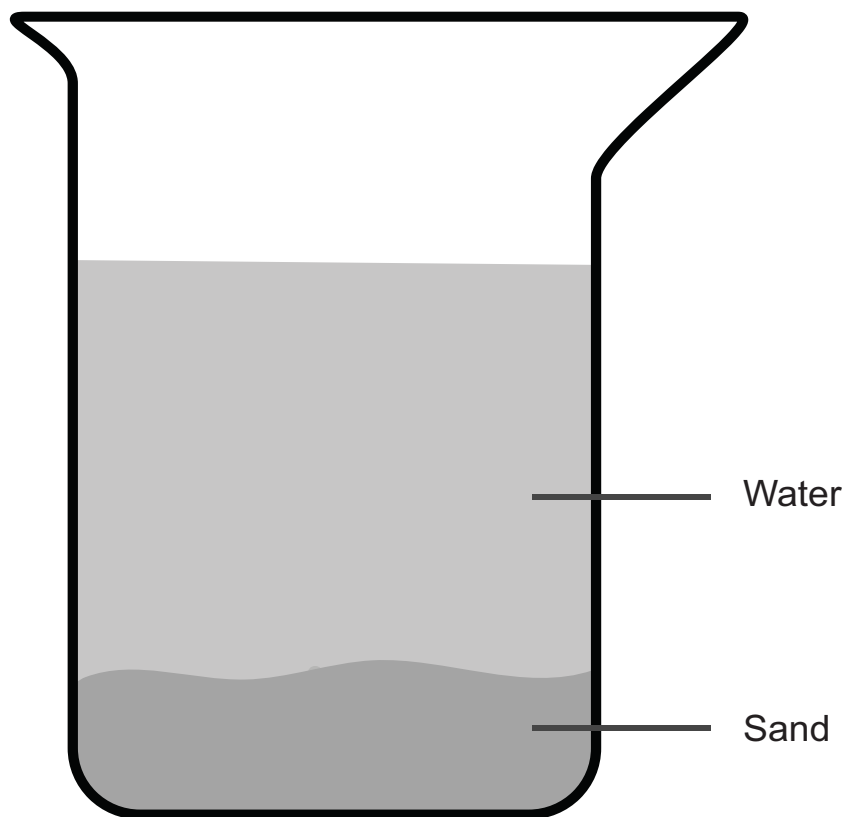
Juice concentrate and water

RESOURCE 4

SOLUTIONS HAVE A UNIFORM APPEARANCE



Salt water (salt solution)



A mixture of sand and water is not uniform.

RESOURCE 5

shutterstock

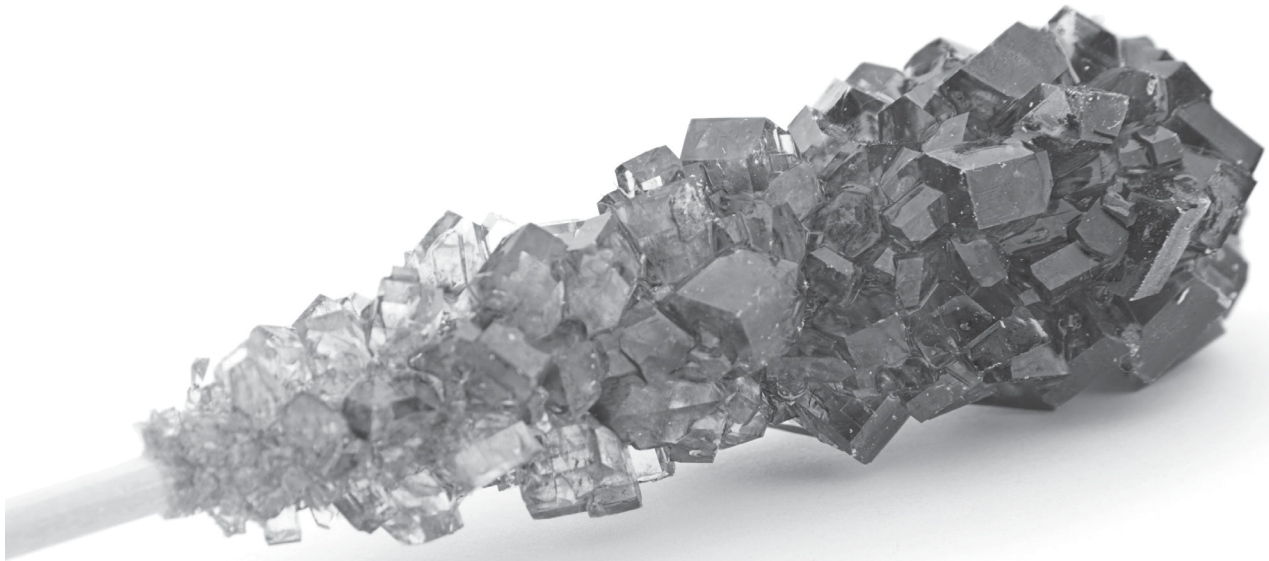
CRYSTALS



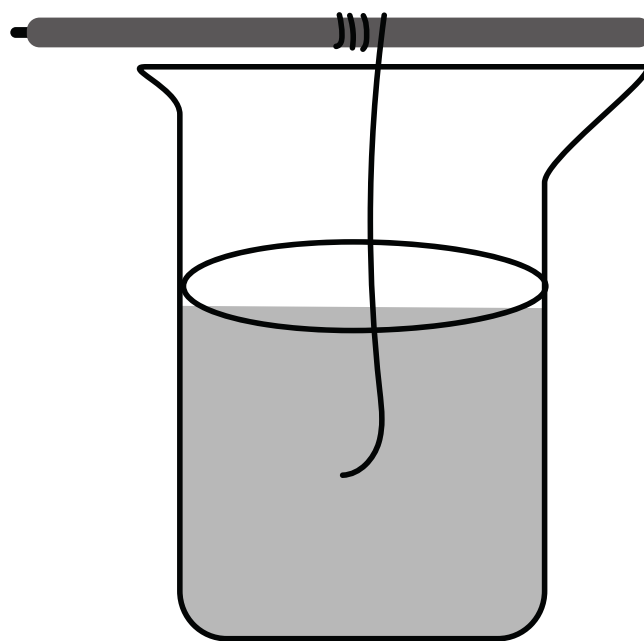
RESOURCE 6

Yutna/shutterstock
kysan/shutterstock

MAKING CRYSTALS

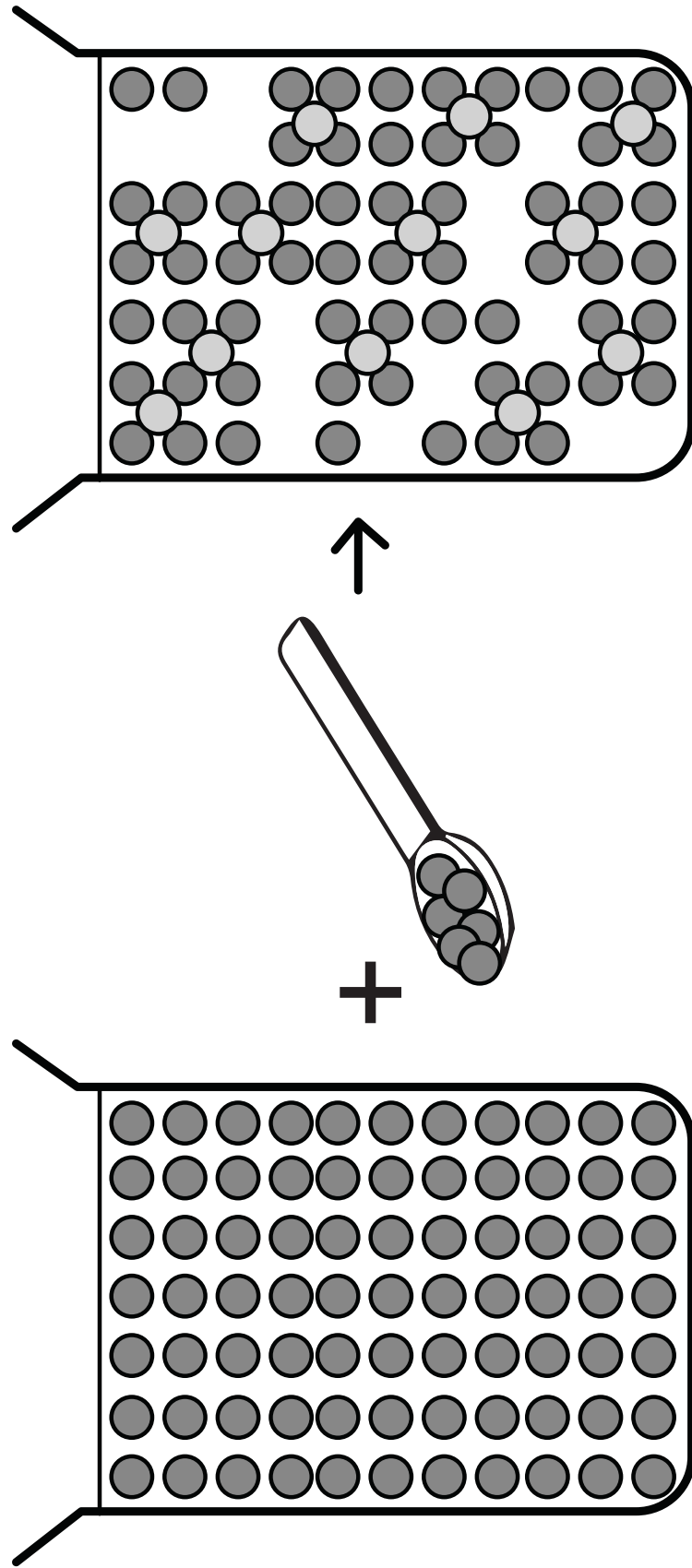


Sugar crystals



Putting string into jar of sugar solution

SOLUBLE PARTICLES



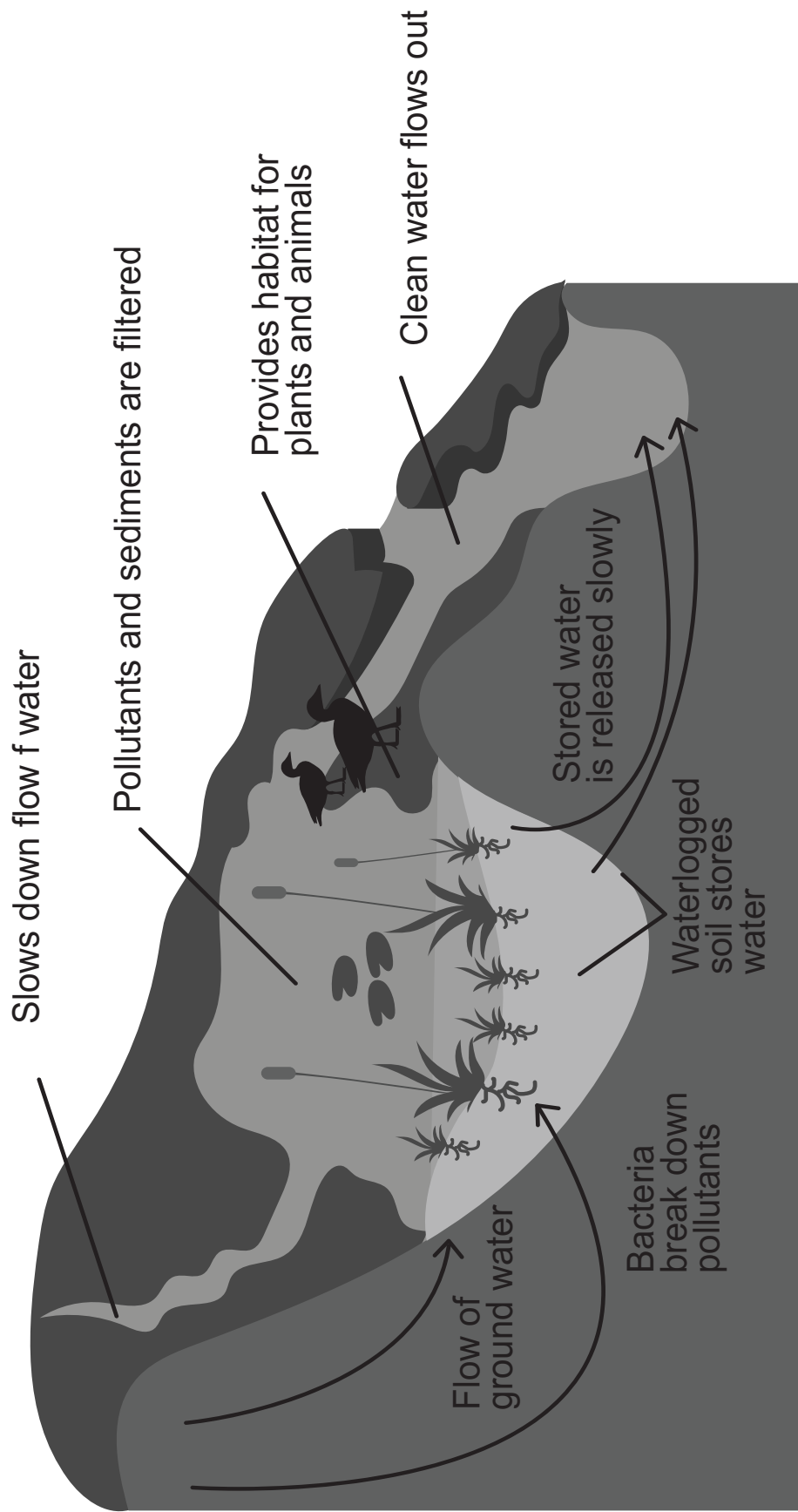
Water particles

Salt particles

Salt & water particles

Salt particles move into the spaces between water particles

HOW A WETLAND WORKS



How a wetland works

RESOURCE 9

Fisher/Shutterstock

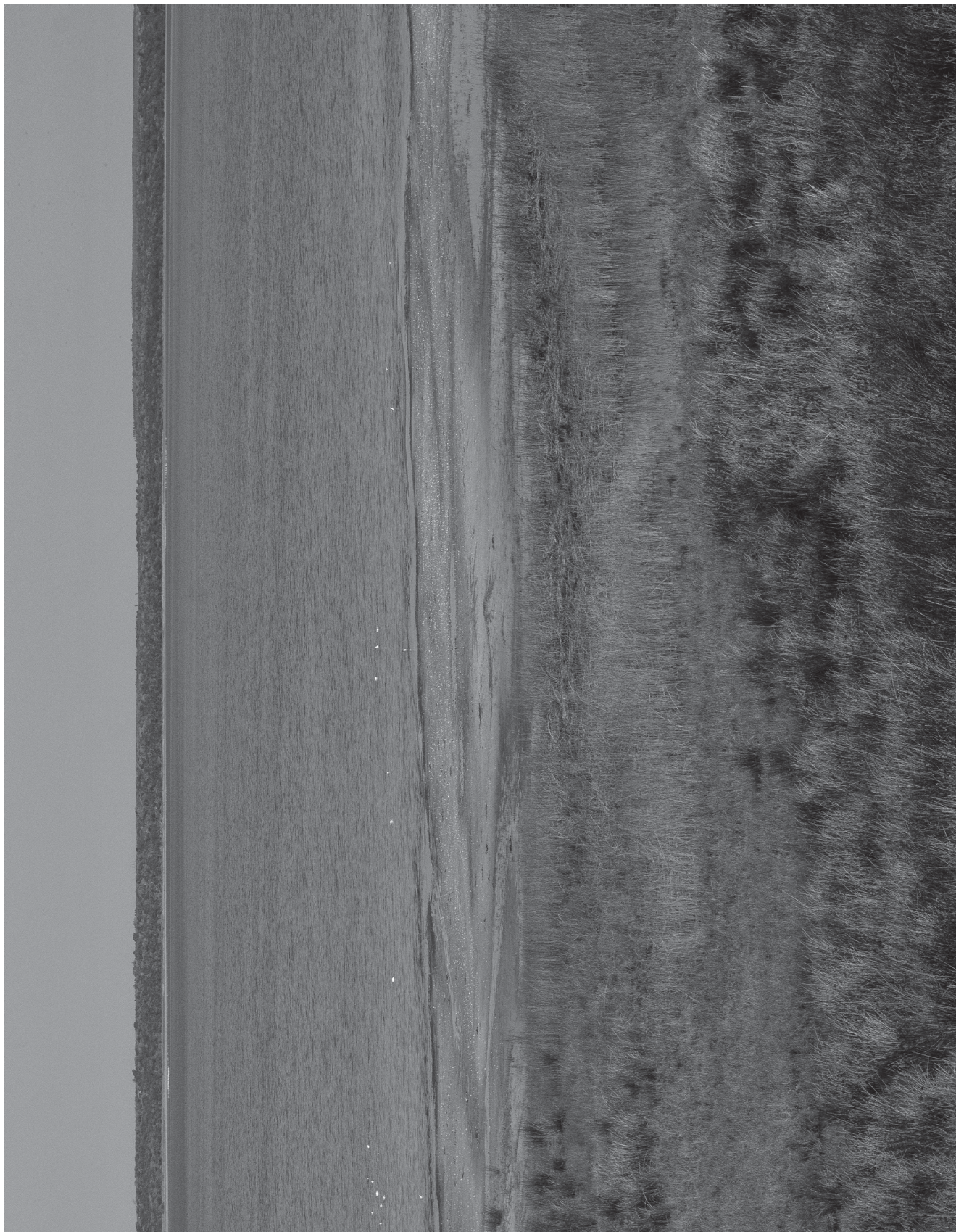
WATER POLLUTION: A RIVER IN GRABOUW



RESOURCE 10

Hrovat/Shuttersotck

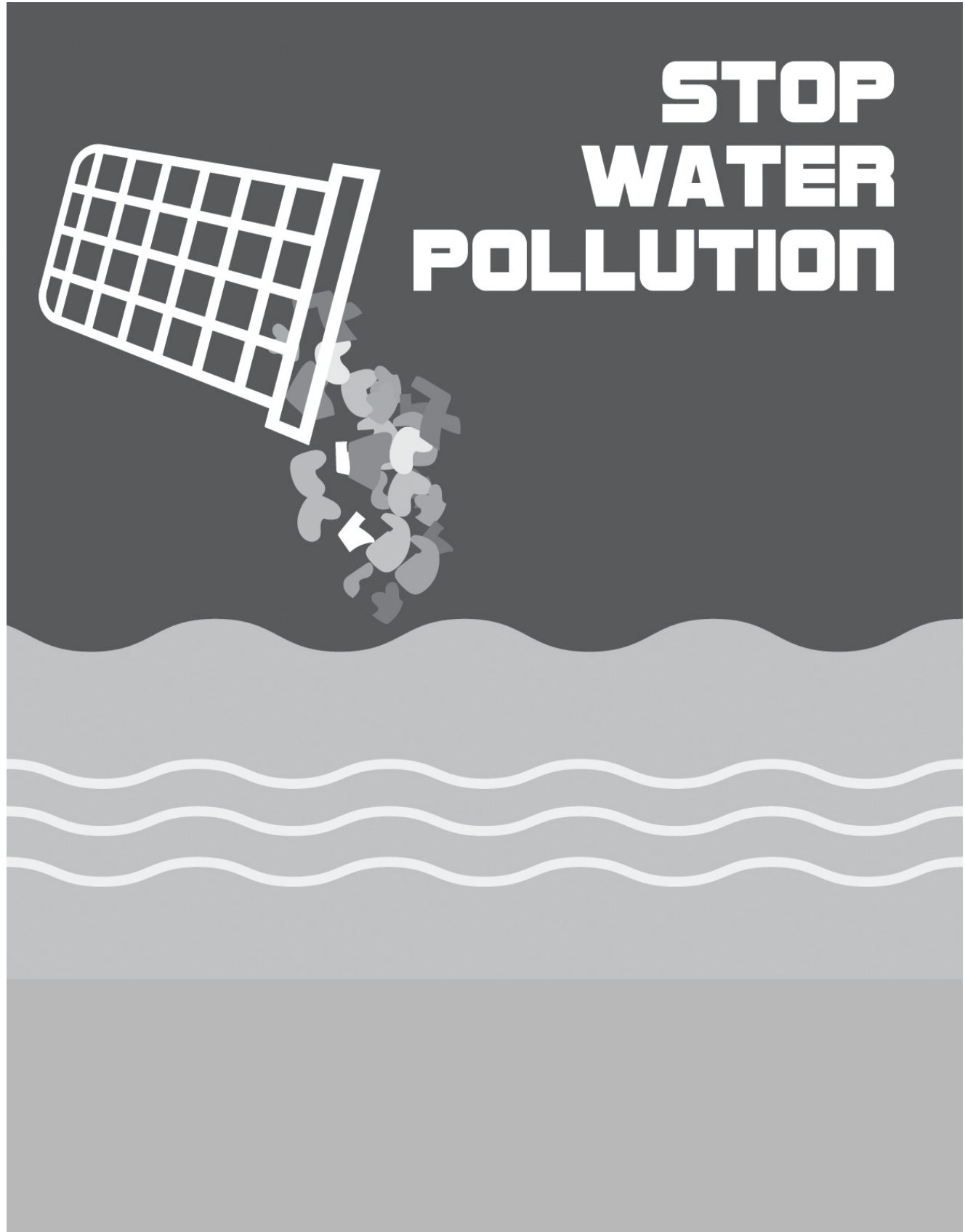
iSIMANGALISO WETLAND PARK



RESOURCE 11

Martyschenko/Shutterstock

SOME METALS RUST: IRON DRUMS



RESOURCE 12

Titinss/shutterstock

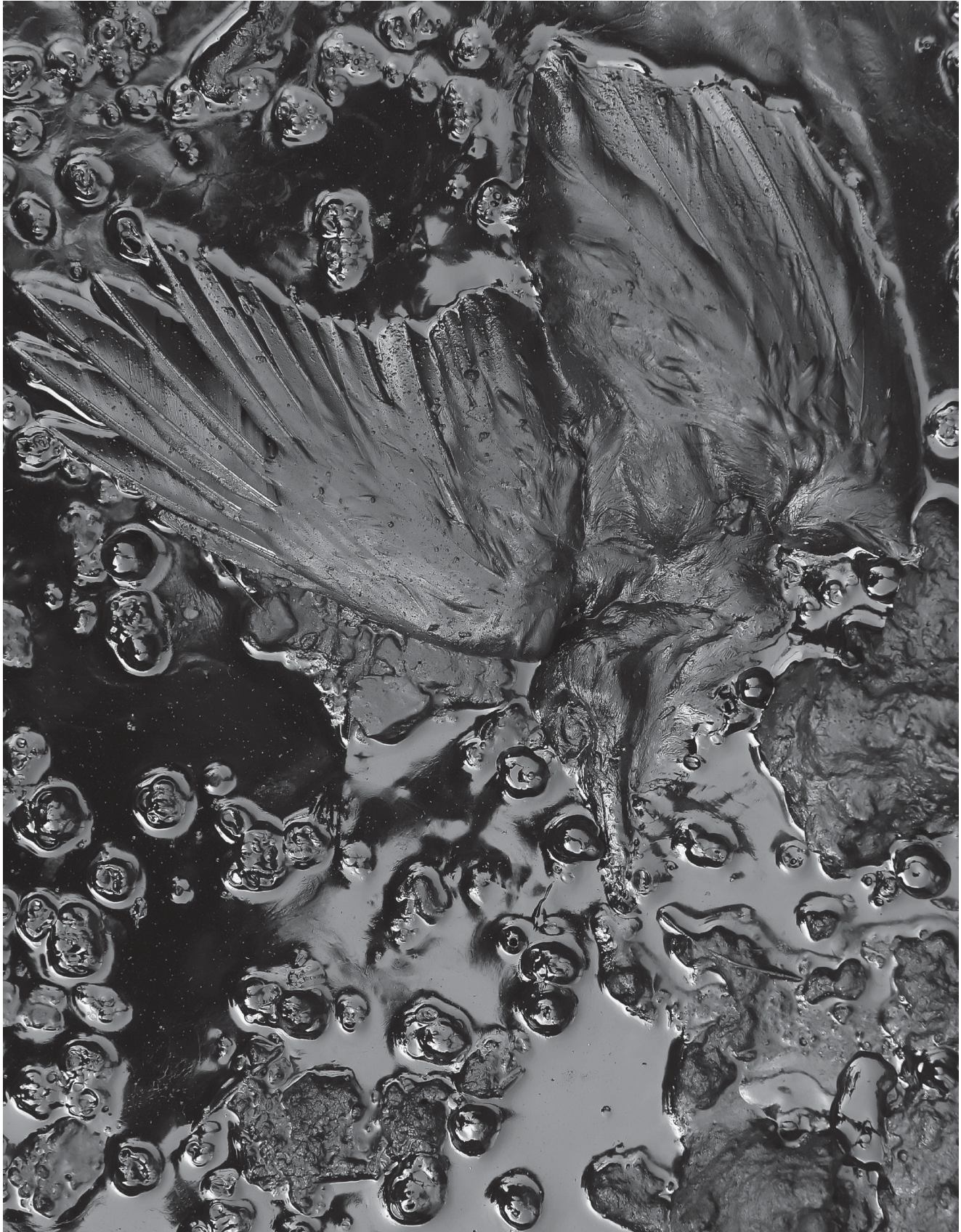
WATER POLLUTION POSTER



RESOURCE 13

Forest badger/Shutterstock

A DEAD BIRD IN AN OIL SPILL



RESOURCE 14

DejaVuDesigns/Shutterstock

A WHALE CAUGHT IN A FISHING NET



RESOURCE 15

Keantian/Shutterstock

DIRTY WATER FLOWING INTO A RIVER



RESOURCE 16

Overcrew/Shutterstock

DEAD FISH AND PLASTIC BOTTLES



RESOURCE 17

Arapova/Shutterstock

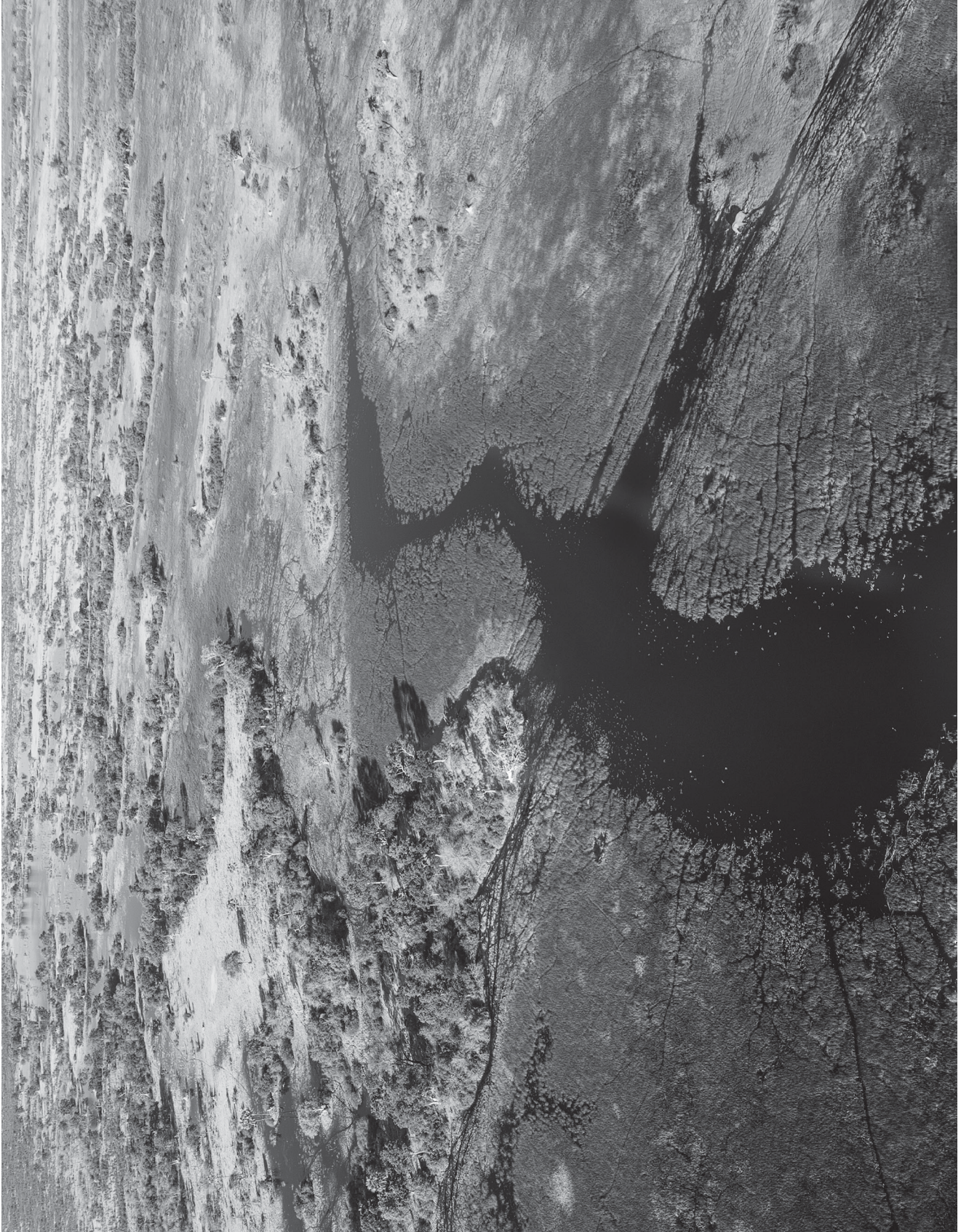
WASHING ON A RIVER BANK



RESOURCE 18

Petrakov/Shutterstock

THE OKAVANGO DELTA



RESOURCE 19

Qualitymaster/Shutterstock

A NATURAL WETLAND IN CAPE TOWN



RESOURCE 20

Mayer/Shutterstock

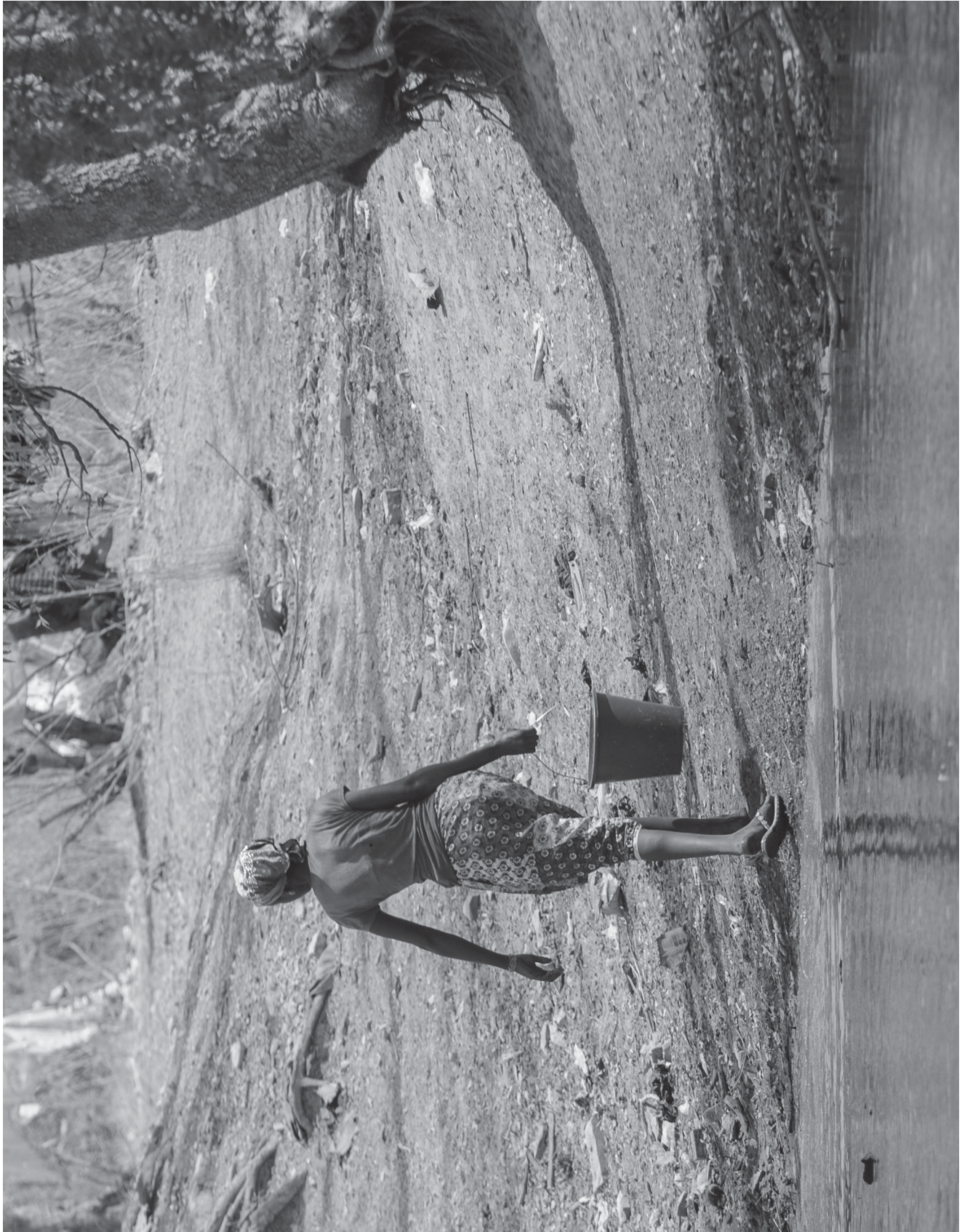
CLEAN DRINKING WATER



RESOURCE 21

Ivanov/Shutterstock

WOMAN CARRYING WATER



RESOURCE 22

Kekyalyaynen/Shutterstock

A SETTLING TANK



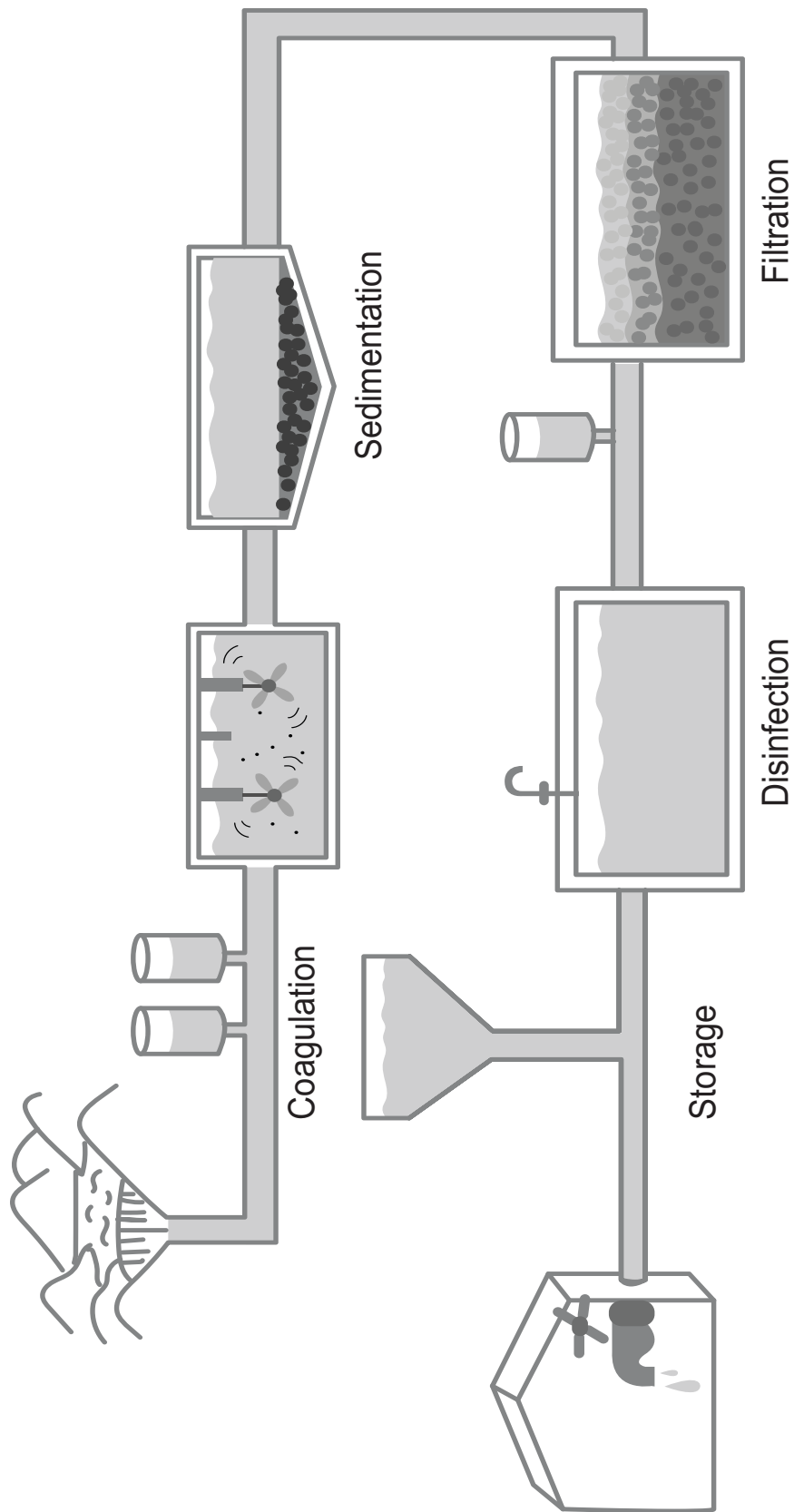
RESOURCE 23

Szczygiel/Shutterstock

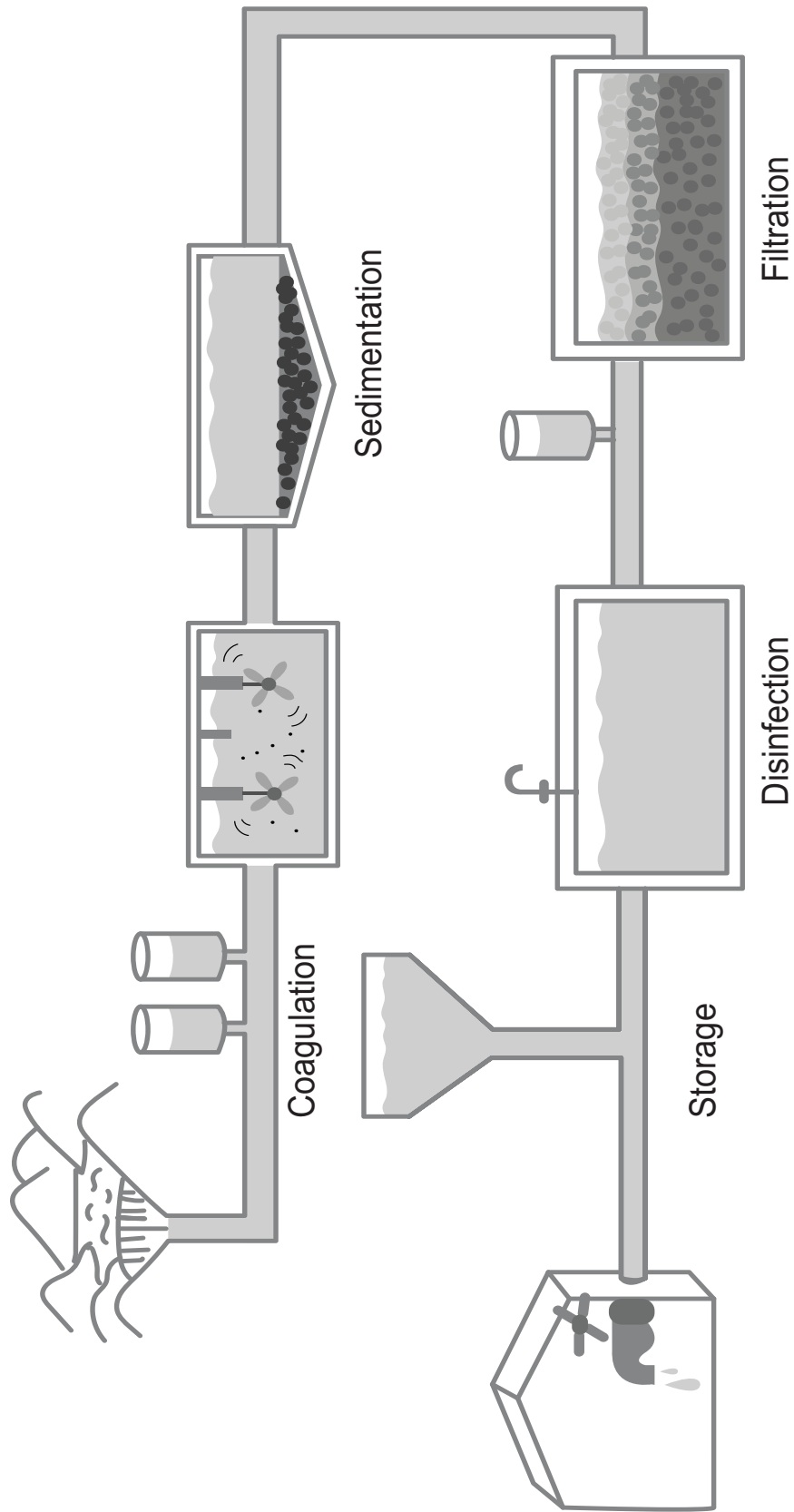
A WATER TREATMENT PLANT



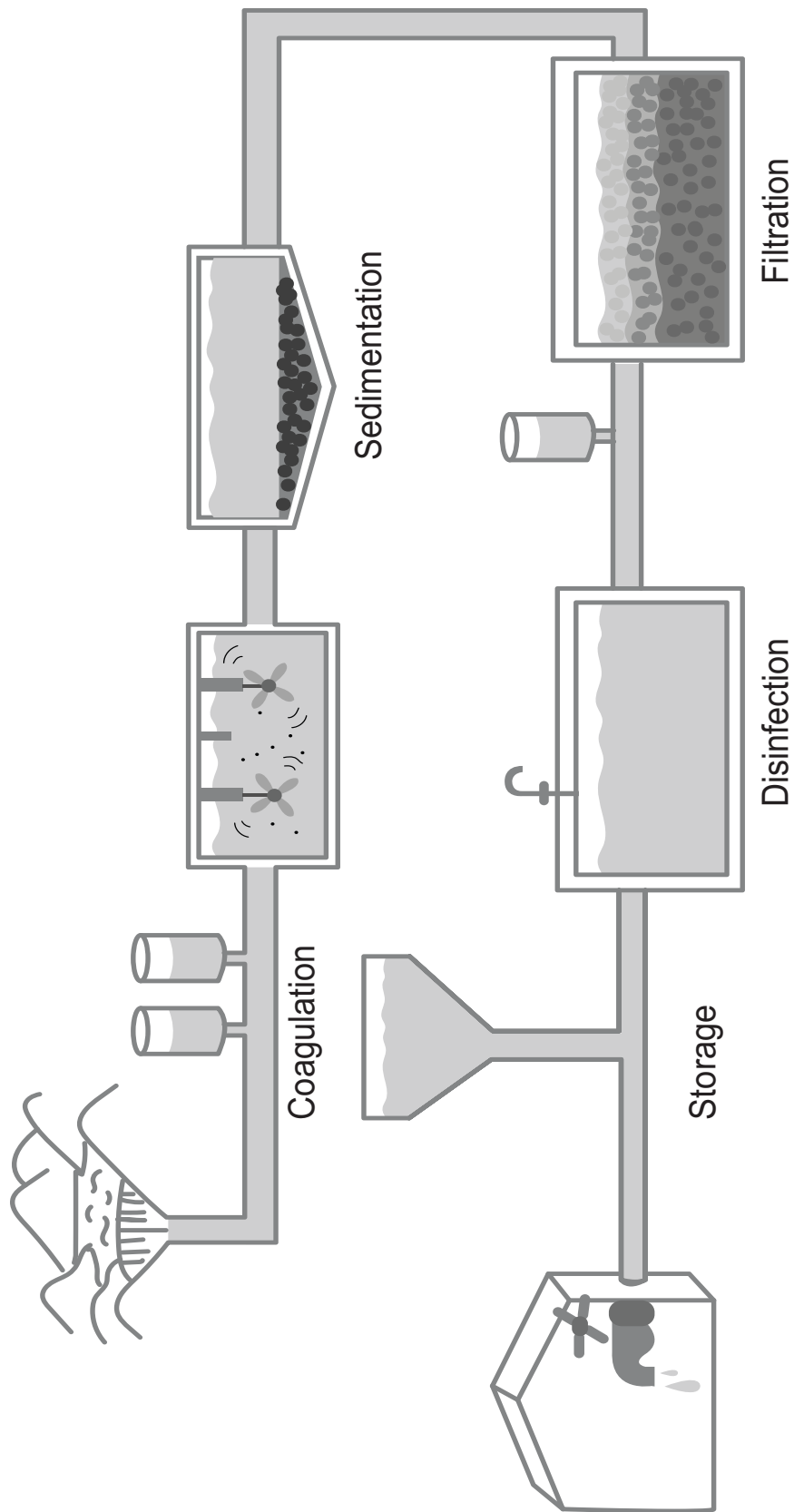
HOW MUNICIPALITIES CLEAN THEIR WATER



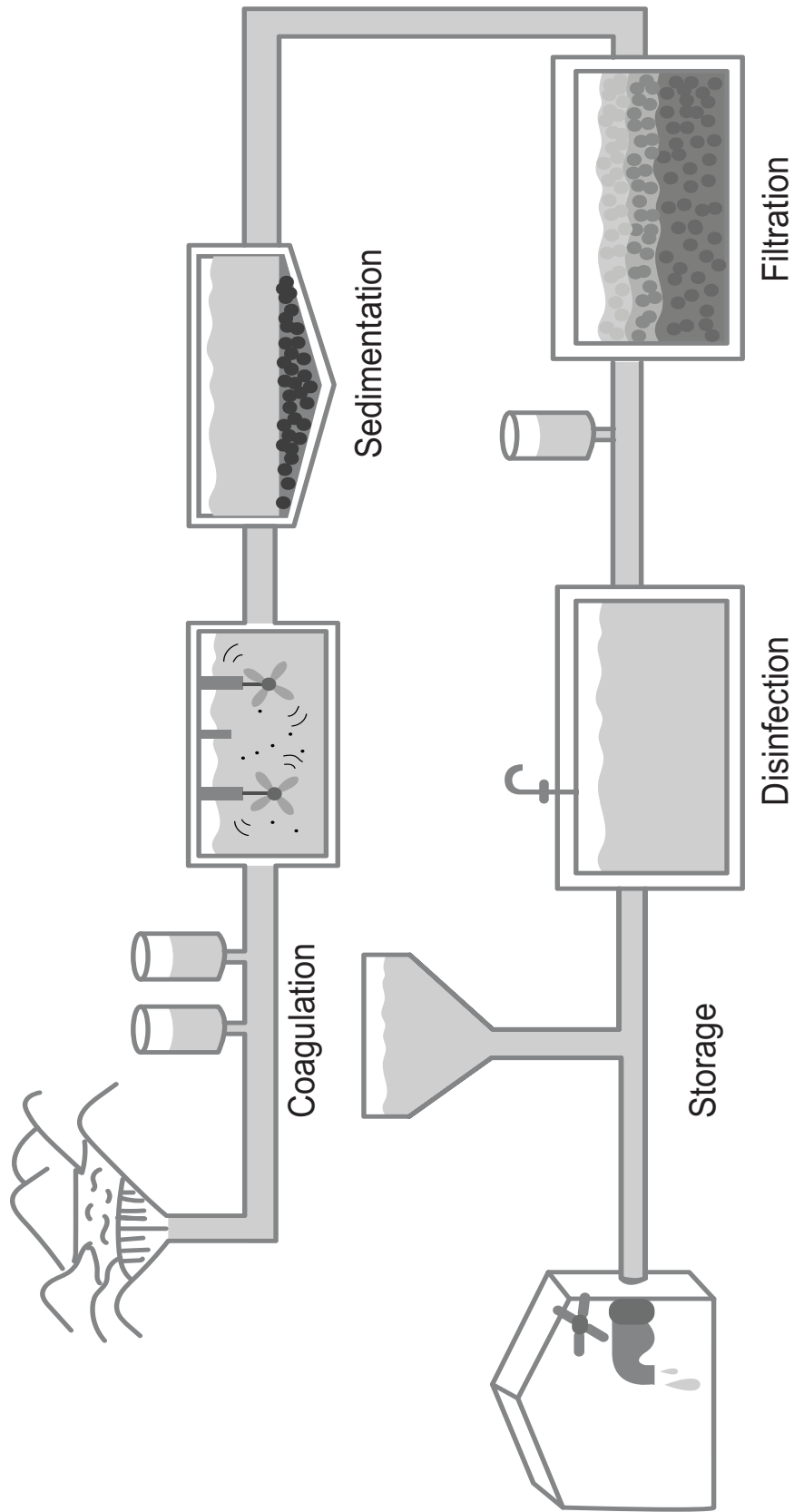
HOW MUNICIPALITIES CLEAN THEIR WATER



HOW MUNICIPALITIES CLEAN THEIR WATER

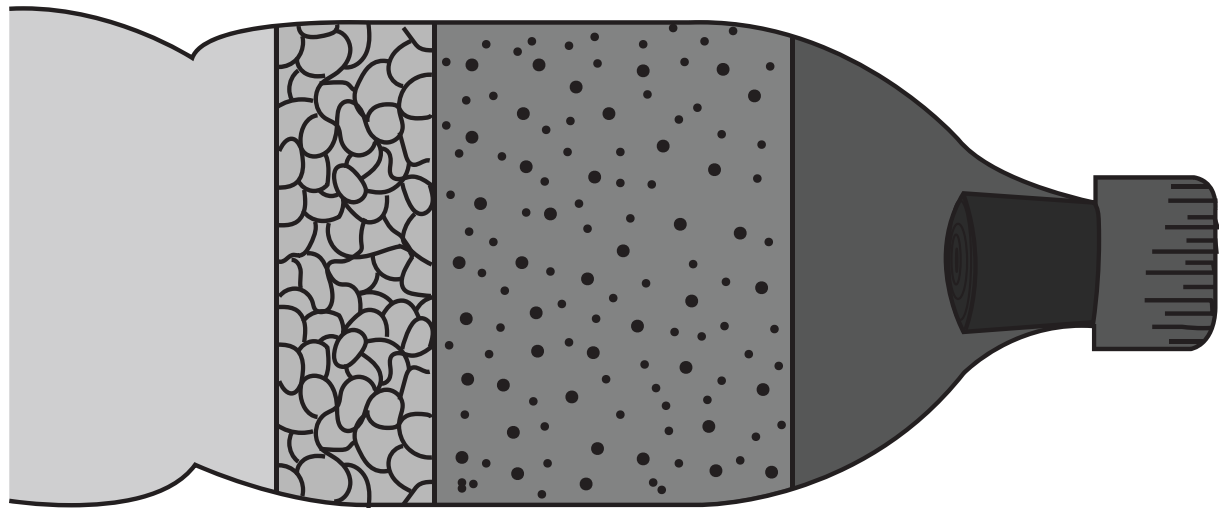


HOW MUNICIPALITIES CLEAN THEIR WATER



RESOURCE 28

A HOMEMADE WATER FILTER



Top cut to allow water to be poured into filtration system

Gravel to filter out larger sediment

Sand to filter out fine impurities. Organisms and particles collect in the top layers of the sand, gradually forming a biological zone to filter out bacteria, viruses and parasites.

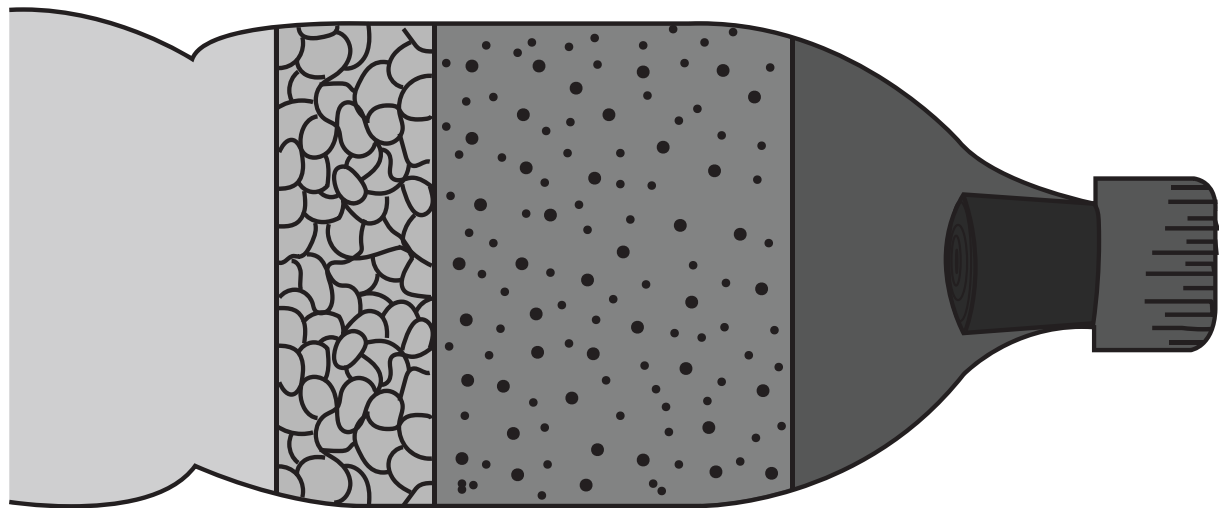
Activated carbon to remove contaminants and impurities, utilizing chemical absorption.

Cloth to hold back carbon and let purified water through

Removable cap

RESOURCE 29

A HOMEMADE WATER FILTER



Top cut to allow water to be poured into filtration system

Gravel to filter out larger sediment

Sand to filter out fine impurities. Organisms and particles collect in the top layers of the sand, gradually forming a biological zone to filter out bacteria, viruses and parasites.

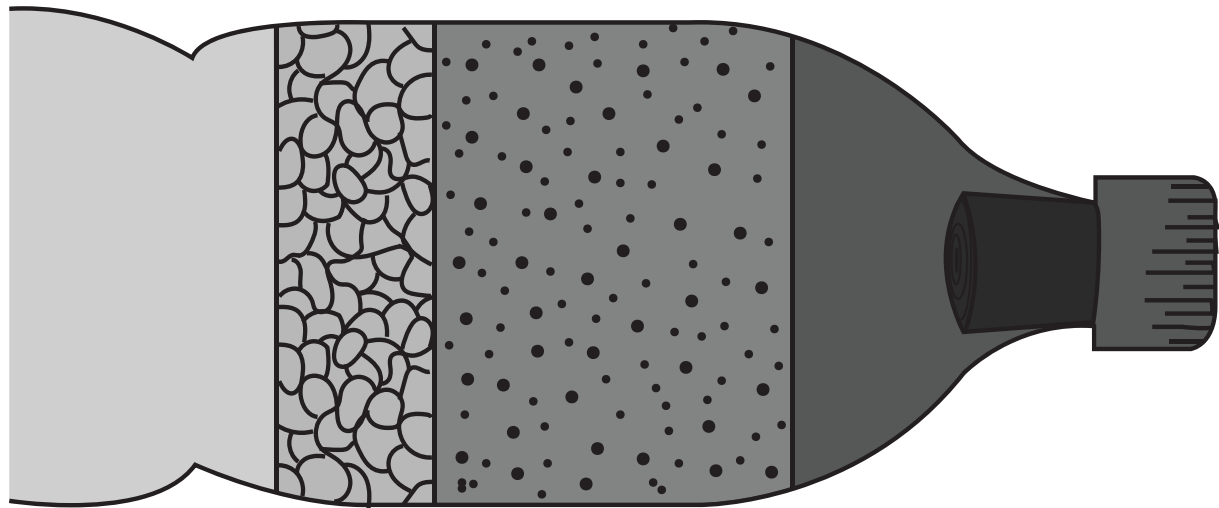
Activated carbon to remove contaminants and impurities, utilizing chemical absorption.

Cloth to hold back carbon and let purified water through

Removable cap

RESOURCE 30

A HOMEMADE WATER FILTER



Top cut to allow water to be poured into filtration system

Gravel to filter out larger sediment

Sand to filter out fine impurities. Organisms and particles collect in the top layers of the sand, gradually forming a biological zone to filter out bacteria, viruses and parasites.

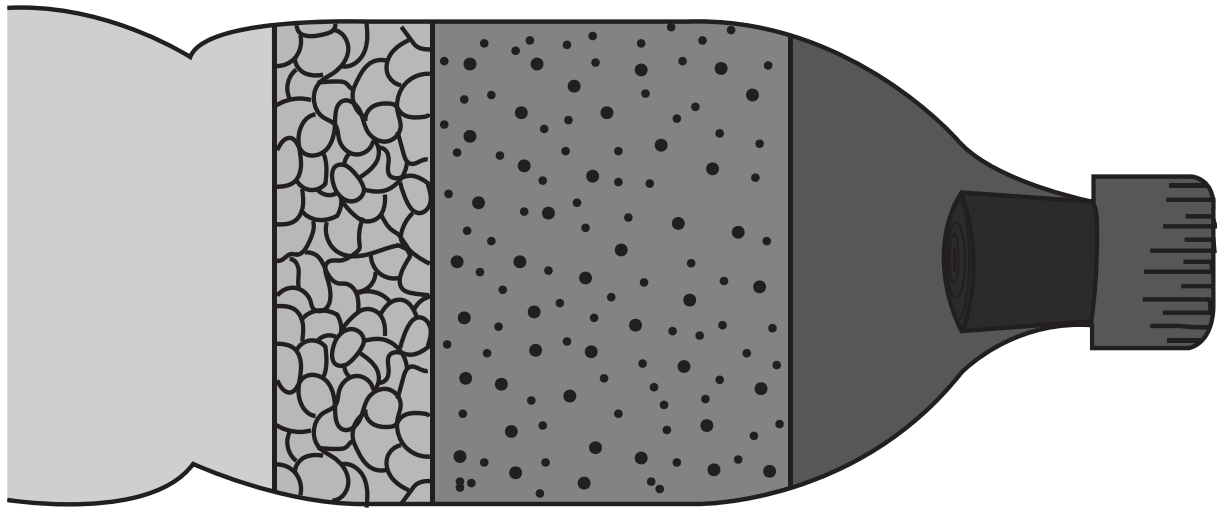
Activated carbon to remove contaminants and impurities, utilizing chemical absorption.

Cloth to hold back carbon and let purified water through

Removable cap

RESOURCE 31

A HOMEMADE WATER FILTER



Top cut to allow water to be poured into filtration system

Gravel to filter out larger sediment

Sand to filter out fine impurities. Organisms and particles collect in the top layers of the sand, gradually forming a biological zone to filter out bacteria, viruses and parasites.

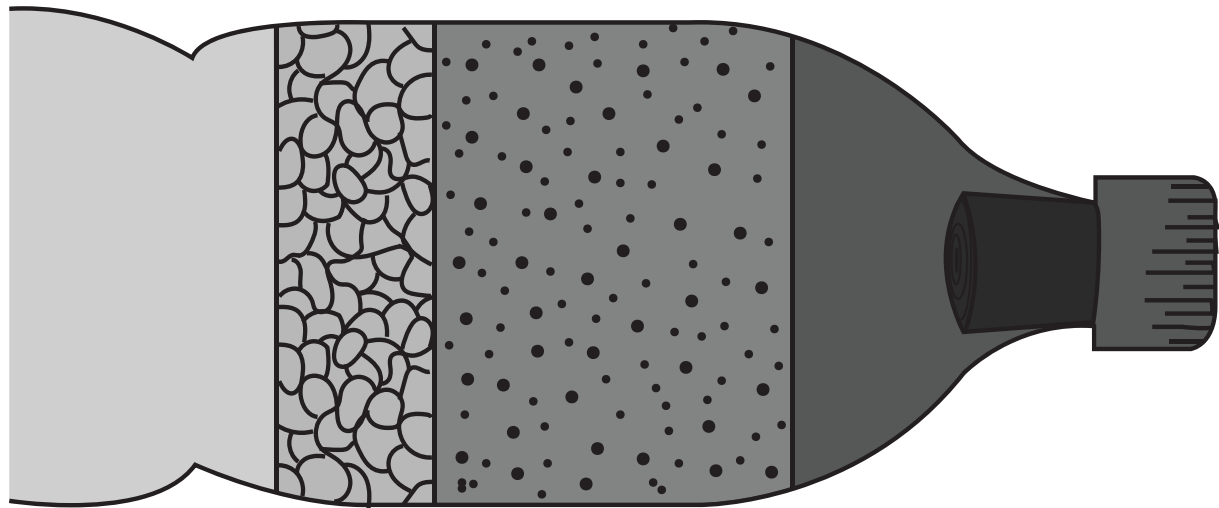
Activated carbon to remove contaminants and impurities, utilizing chemical absorption.

Cloth to hold back carbon and let purified water through

Removable cap

RESOURCE 32

A HOMEMADE WATER FILTER



Top cut to allow water to be poured into filtration system

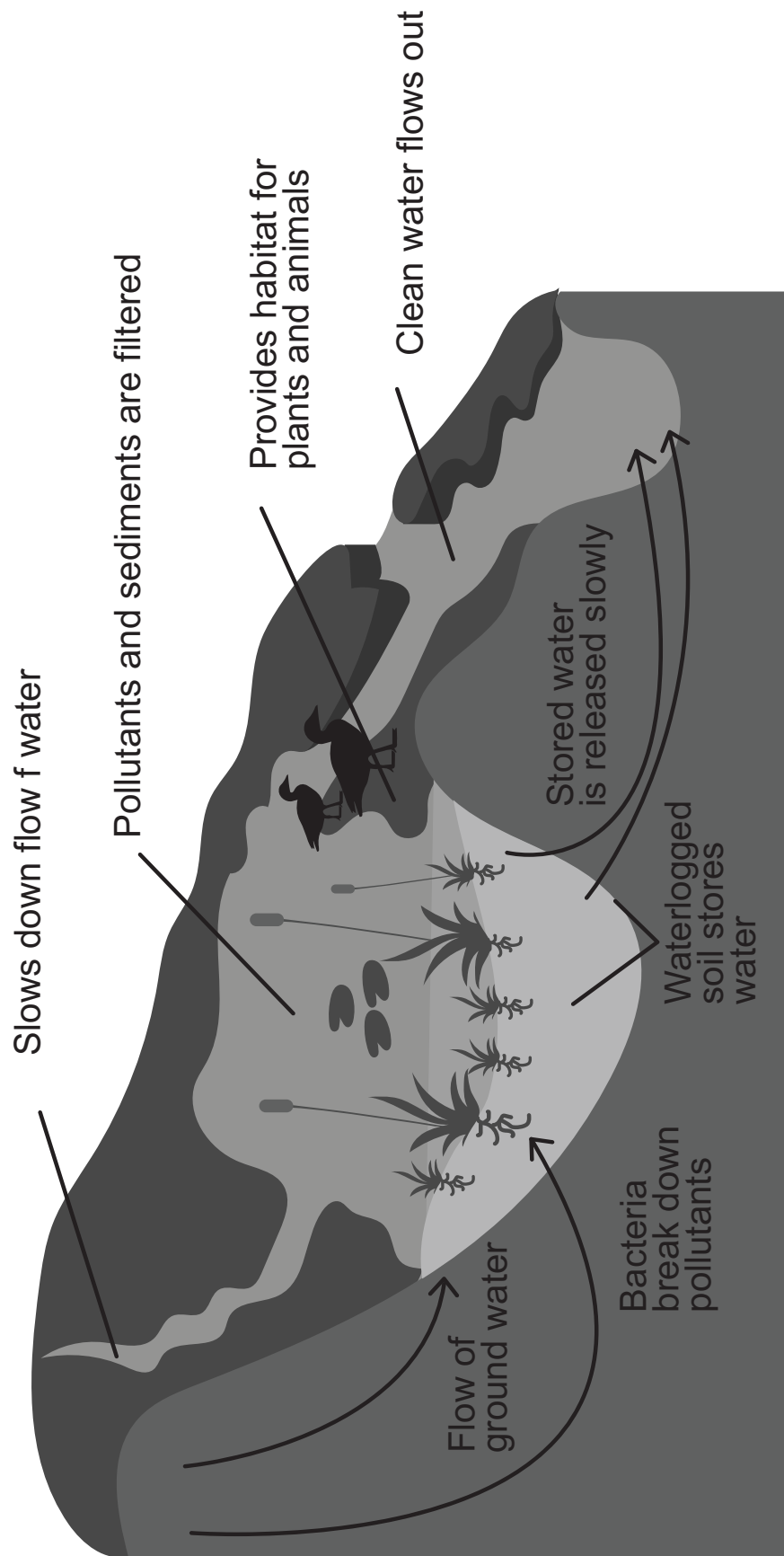
Gravel to filter out larger sediment

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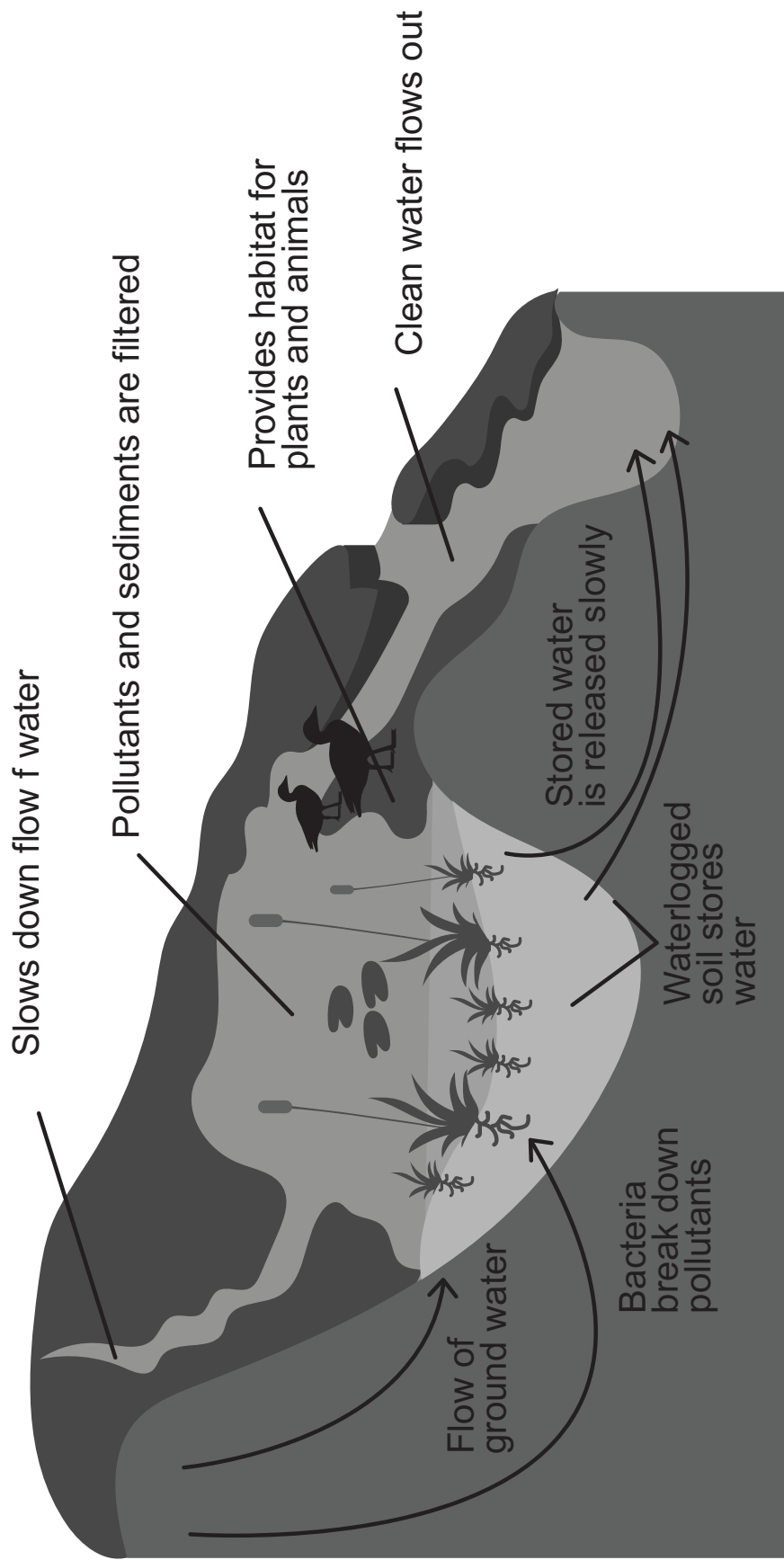
Activated carbon to remove contaminants and impurities, utilizing chemical absorption.

Cloth to hold back carbon and let purified water through

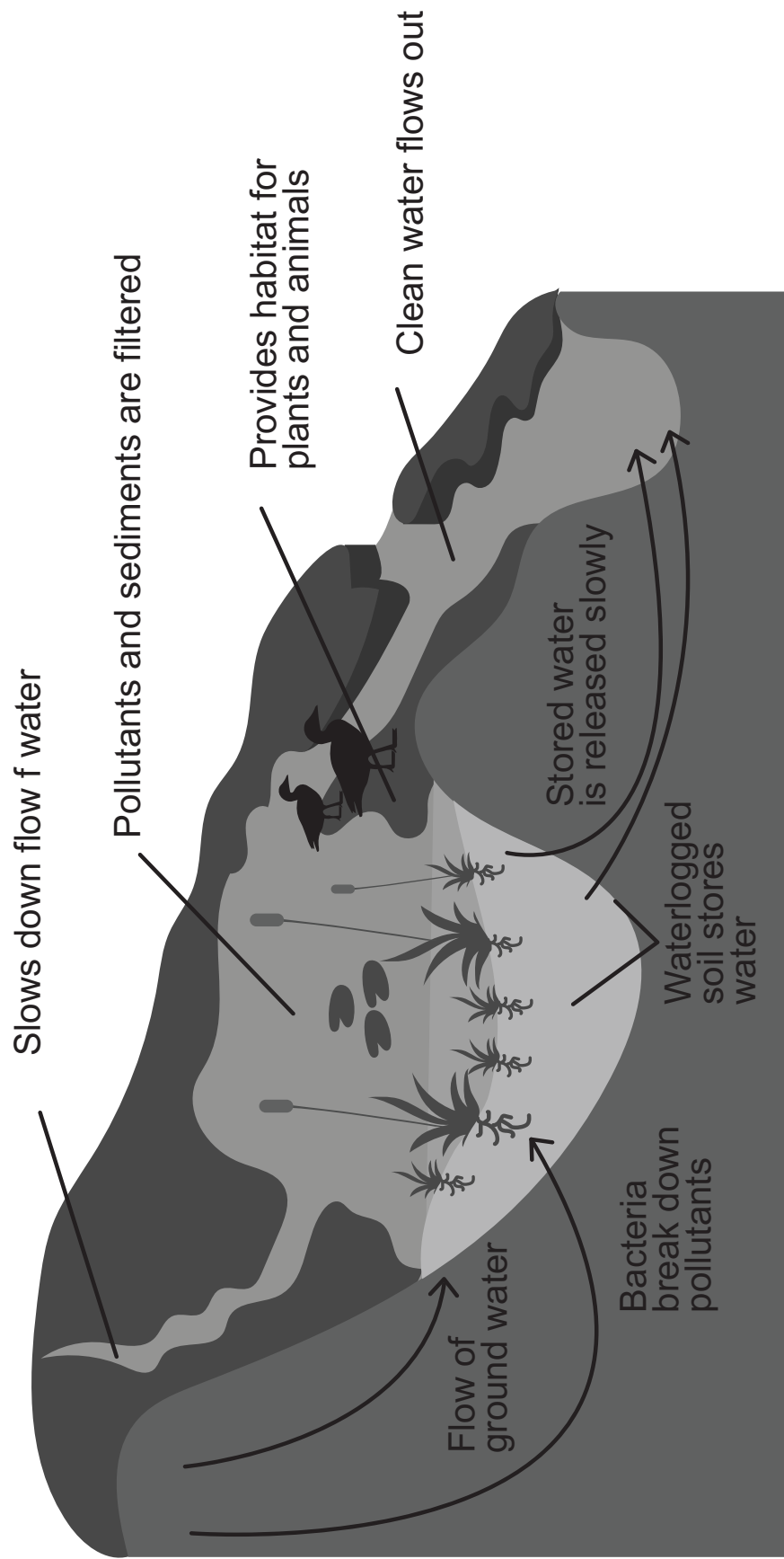
Removable cap



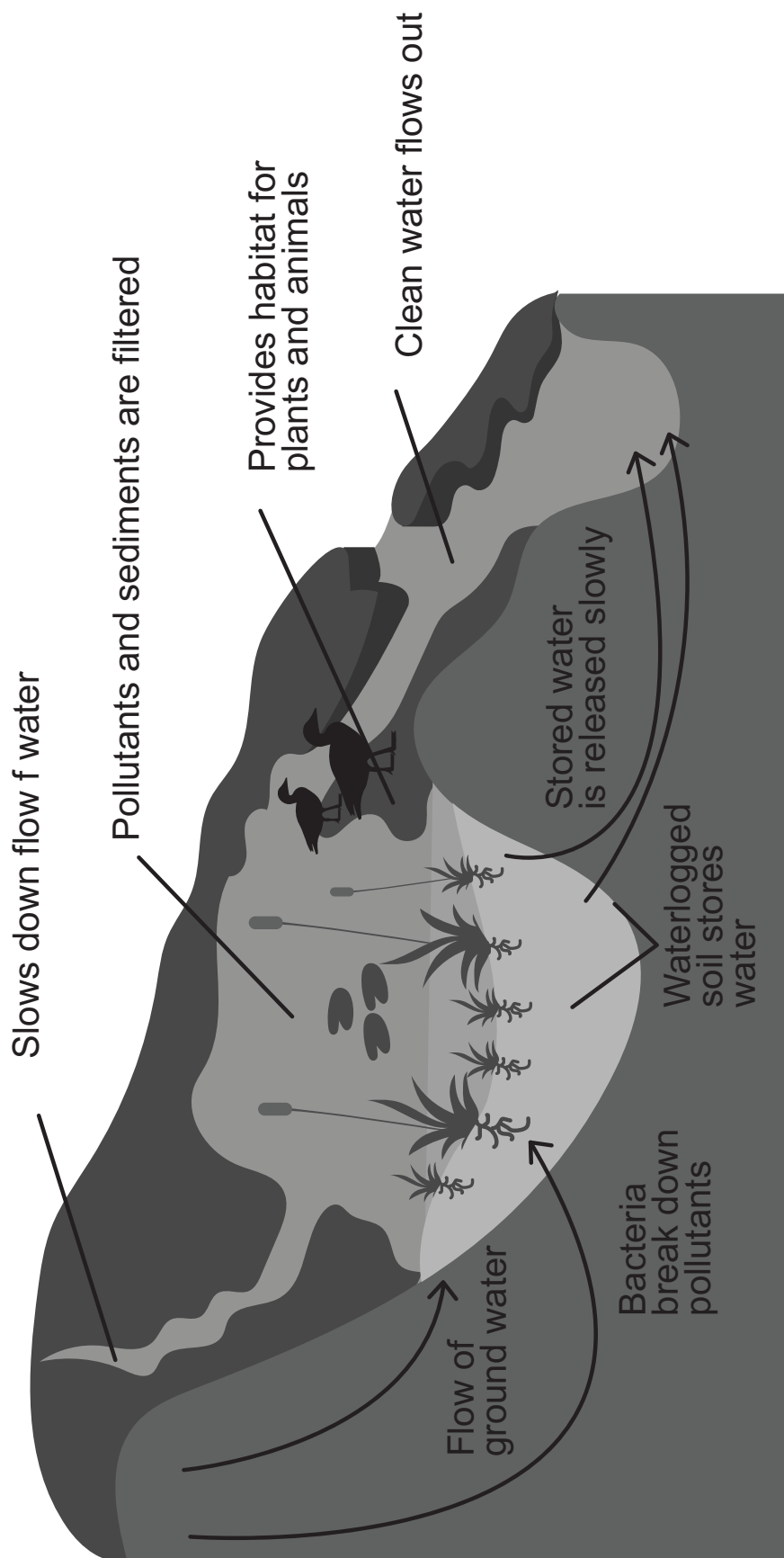
How a wetland works



How a wetland works



How a wetland works



How a wetland works