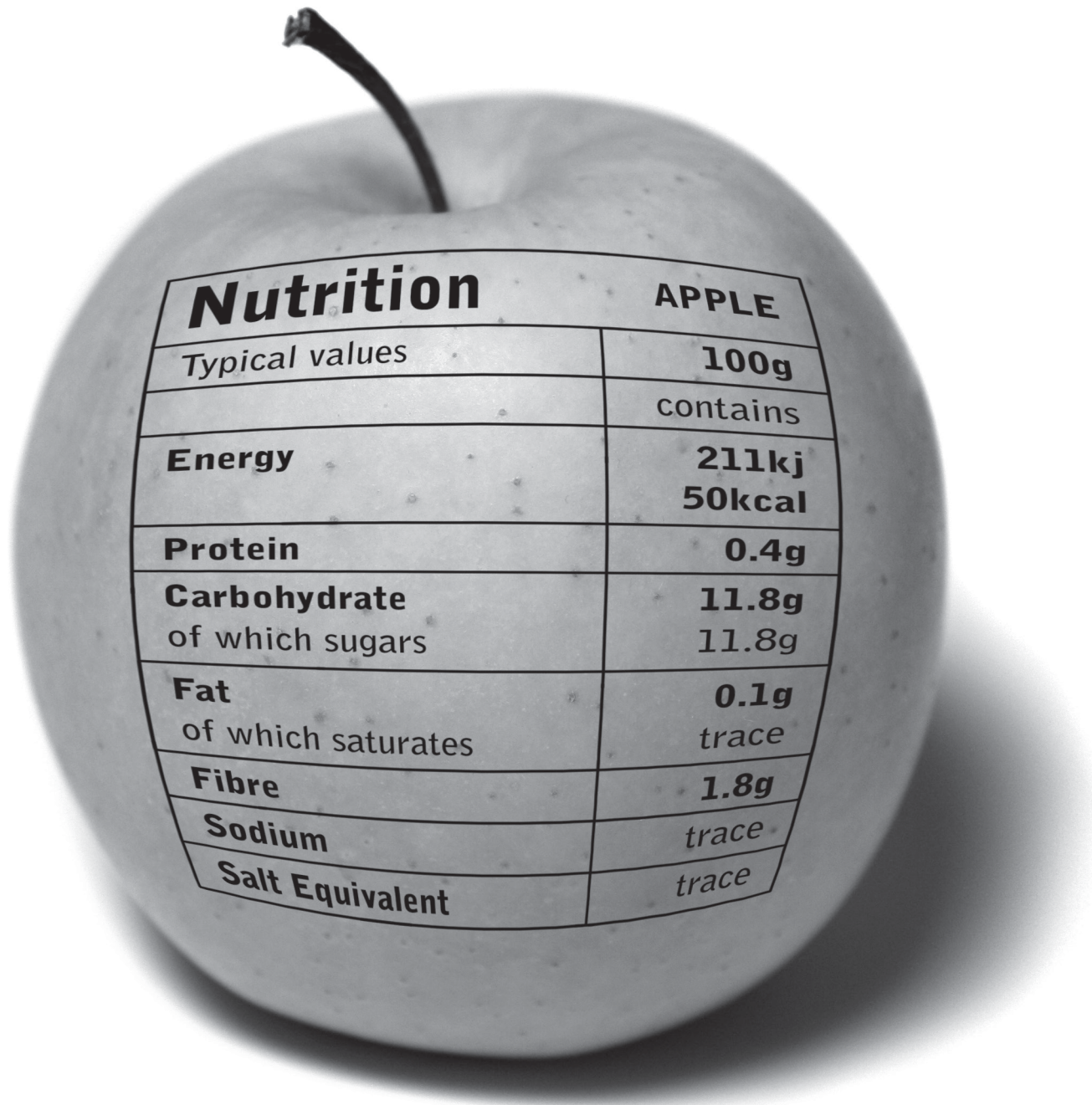


NATURAL SCIENCES

RESOURCE PACK
GRADE 8 TERM 1

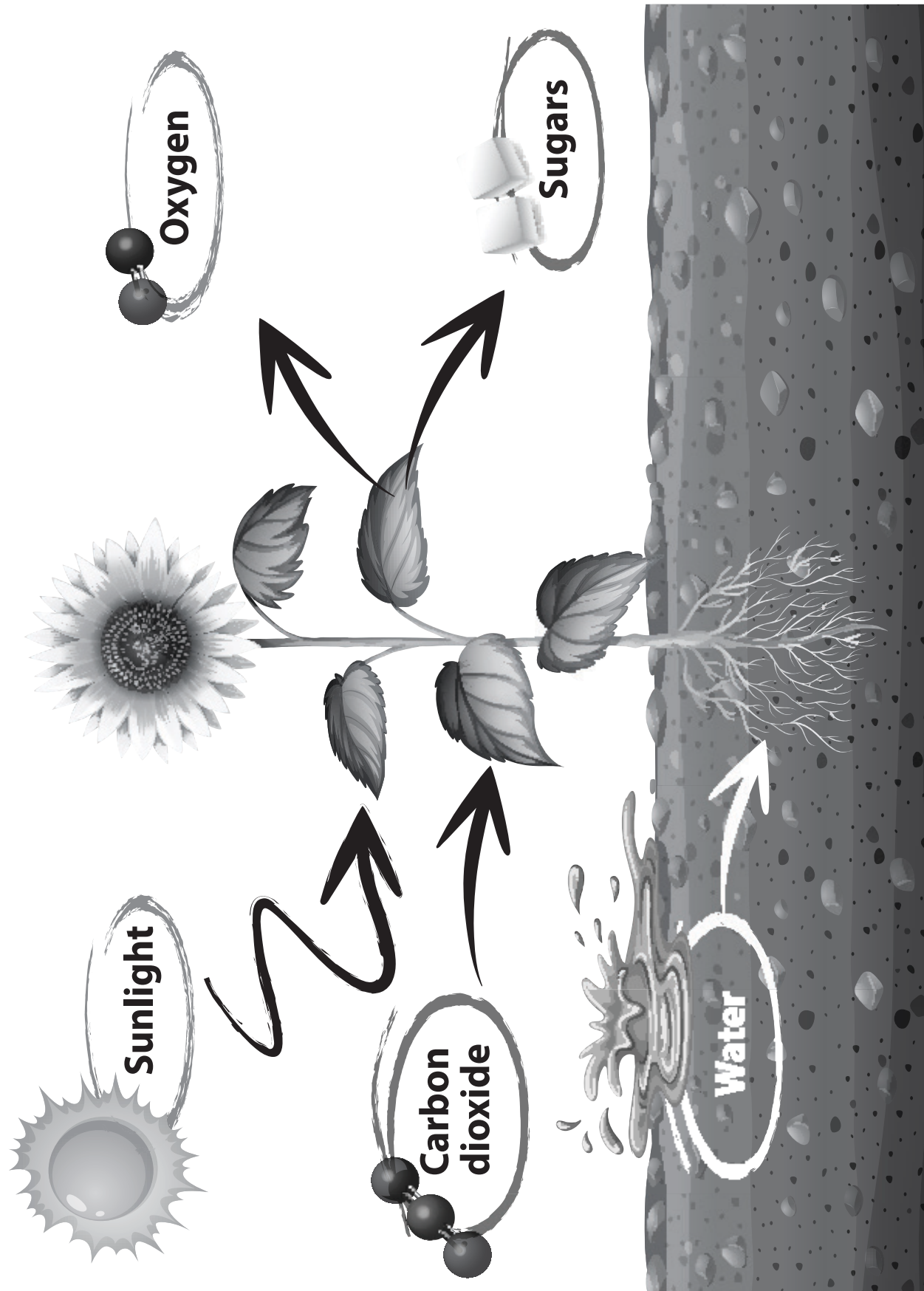




RESOURCE 2

BlueRingMedia/ Shutterstock

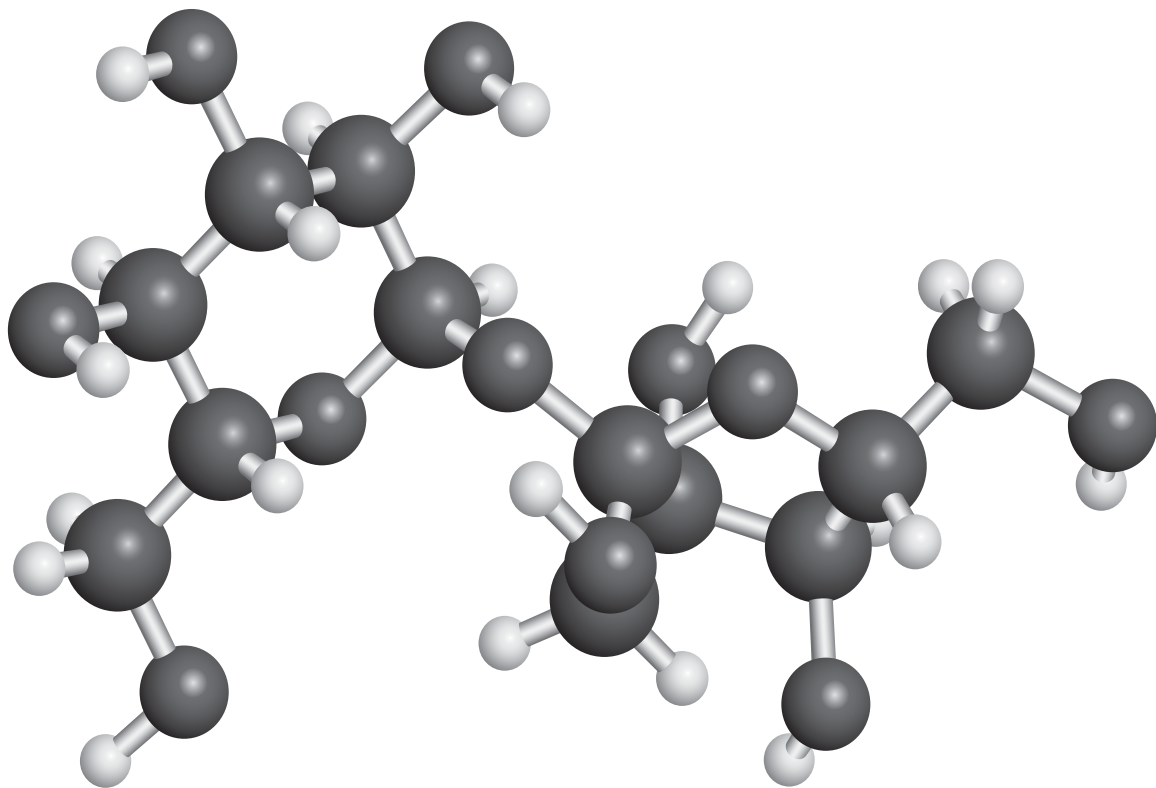
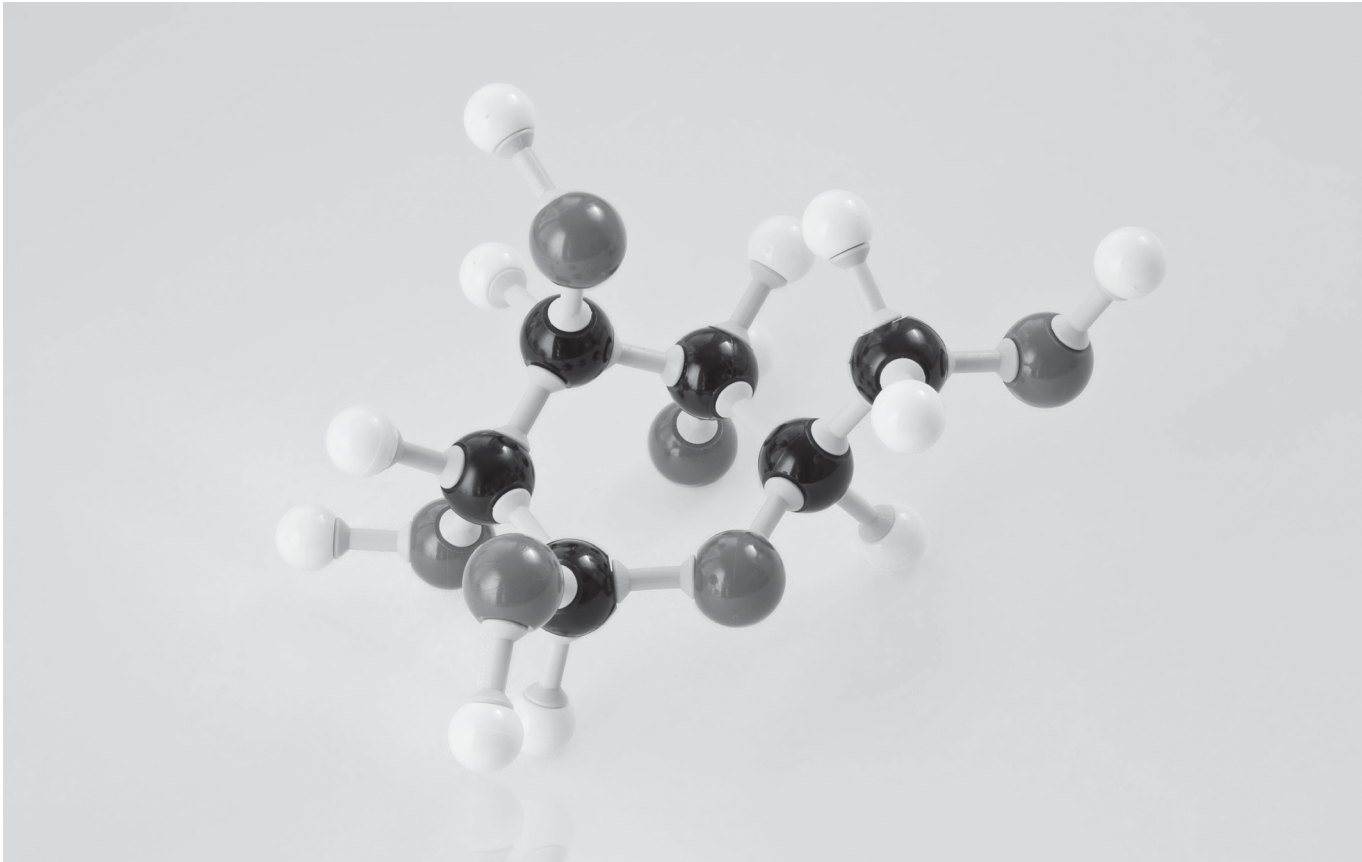
PROCESS OF PHOTOSYNTHESIS



RESOURCE 3

Jeffrey Rasmussen/ Shutterstock
Magcom/ Shutterstock

GLUCOSE MOLECULE AND SUCROSE MOLECULE

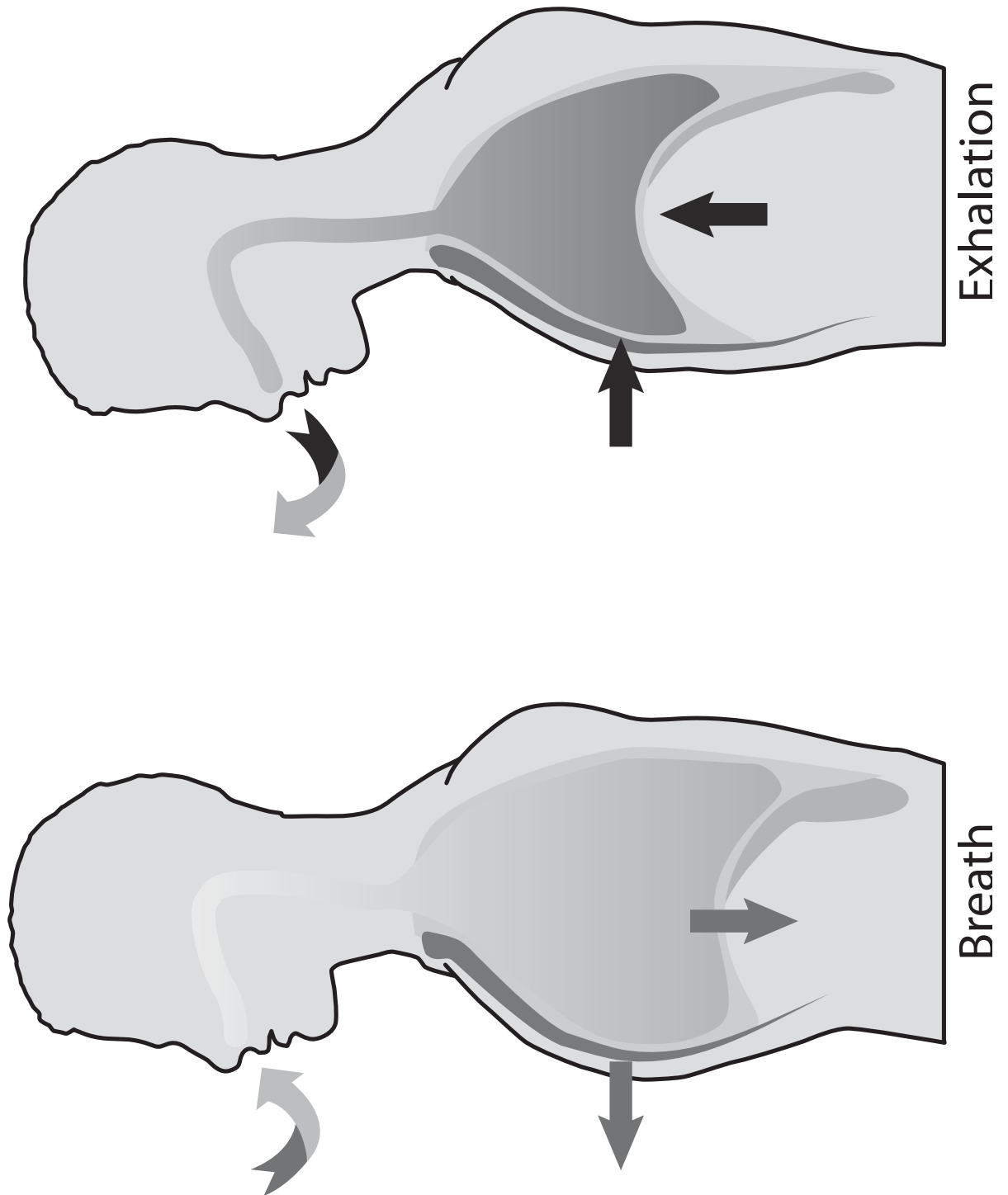


RESOURCE 4

NoPainNoGain/ Shutterstock

BREATHING

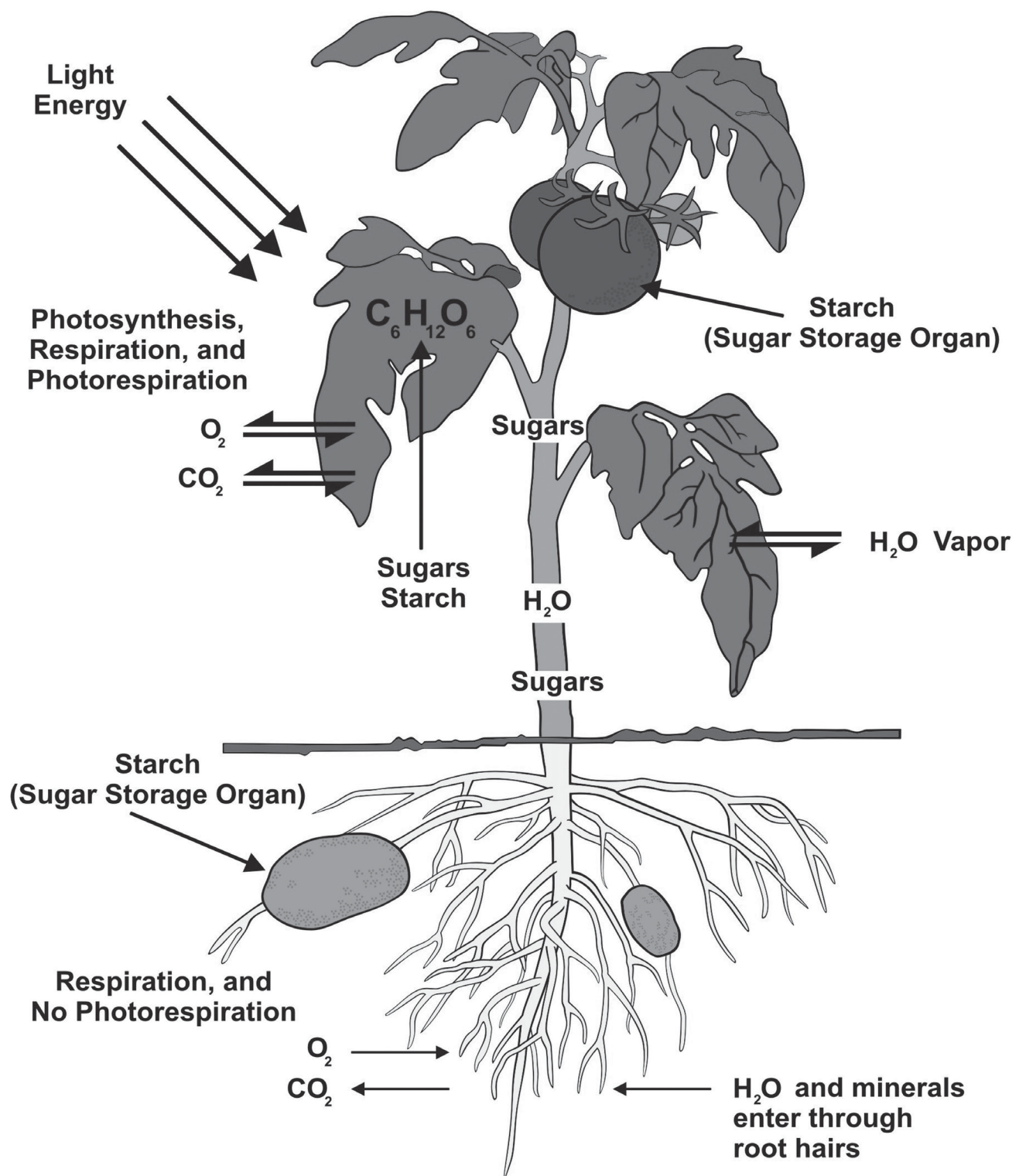
The movements of the chest during breathing.



RESOURCE 5

Udaix/ Shutterstock

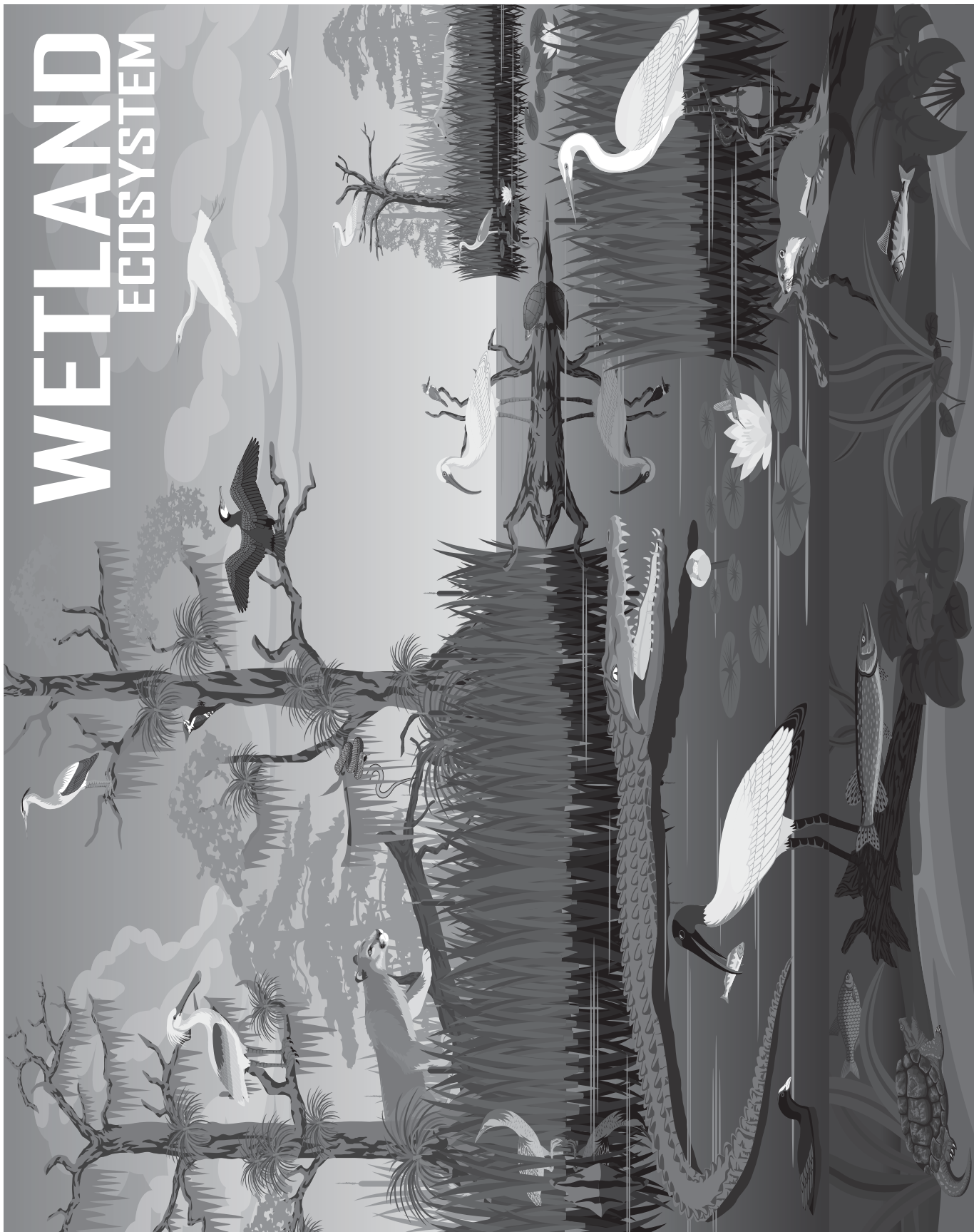
PHOTOSYNTHESIS AND RESPIRATION



RESOURCE 6

SaveJungle/ Shutterstock

WETLAND ECOSYSTEM



RESOURCE 7

Sergey Novikov/ Shutterstock

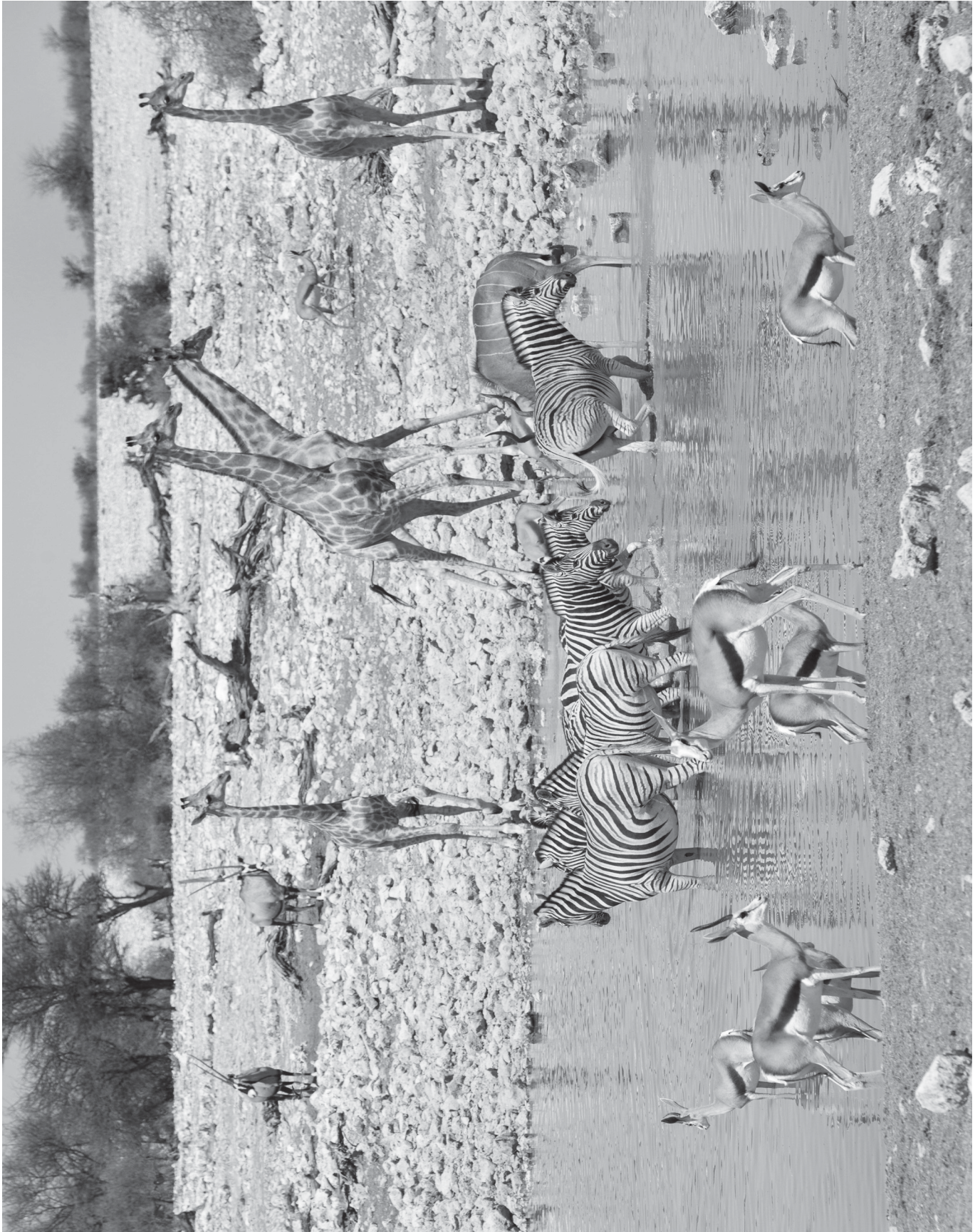
OSTRICH POPULATION



RESOURCE 8

Paula French/ Shutterstock

ECOSYSTEM



RESOURCE 9

(<http://gekco.co.za/wp-content/uploads/2013/07/DSCF6408.jpg>)

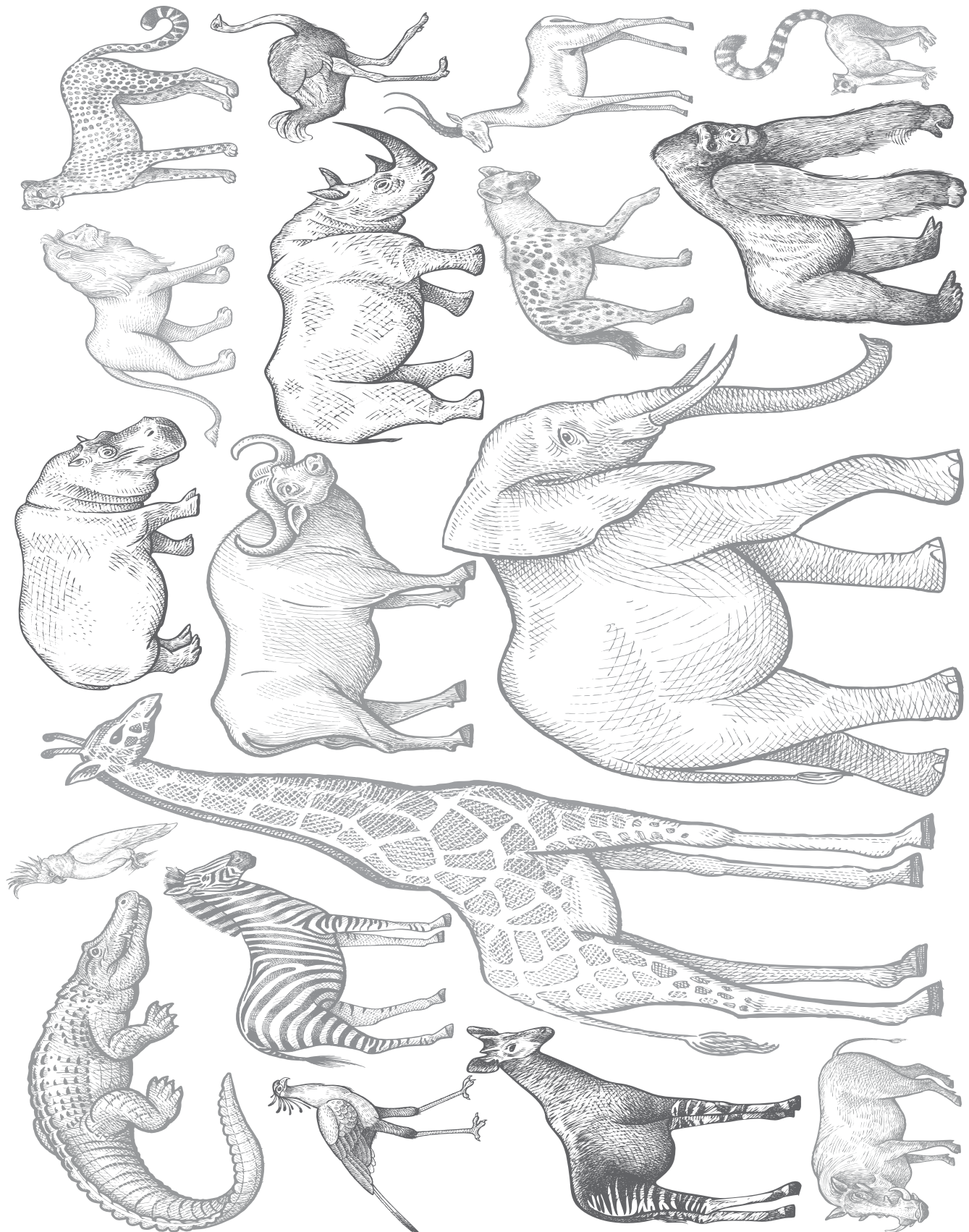
BUSHVELD ECOSYSTEM



RESOURCE 10

Mamita/ Shutterstock

PRODUCERS AND CONSUMERS

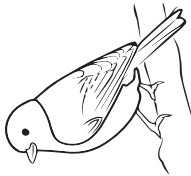




Black bear
berries & nuts
Honey
Bees & insects



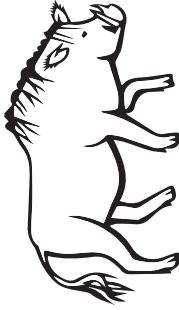
Urban Squirrel
fruits & nuts
Insects
Eggs



Robin
berries
worms



Hawk
birds
snakes
rodents



Warthog



Shark
other fish



Snail
fruit
leaves



Jaguar
monkeys
antelopes



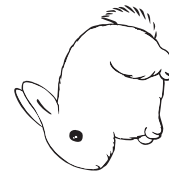
Goat
grass
flowers



Crocodiles
buffalo
birds



Giraffe
leaves



Rabbit
vegetables



Cow
grass



Spider
flies

RESOURCE 12

(<https://commons.wikimedia.org/w/index.php?curid=807236>) By Michael Linnenbach

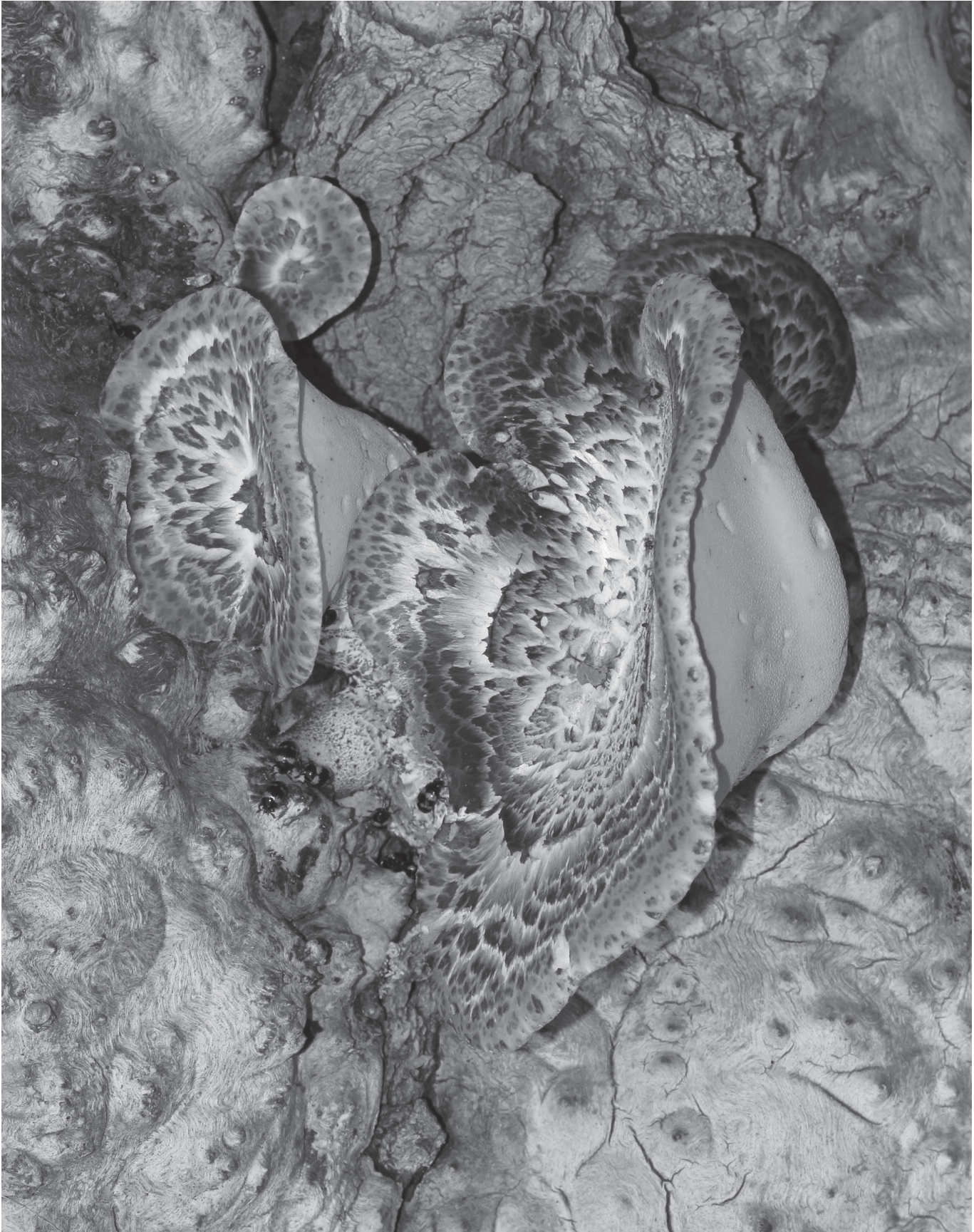
EARTHWORMS



RESOURCE 13

(<https://commons.wikimedia.org/w/index.php?curid=25899781>)
By George Chernilevsky

MUSHROOMS



RESOURCE 14

NoPainNoGain/ Shutterstock

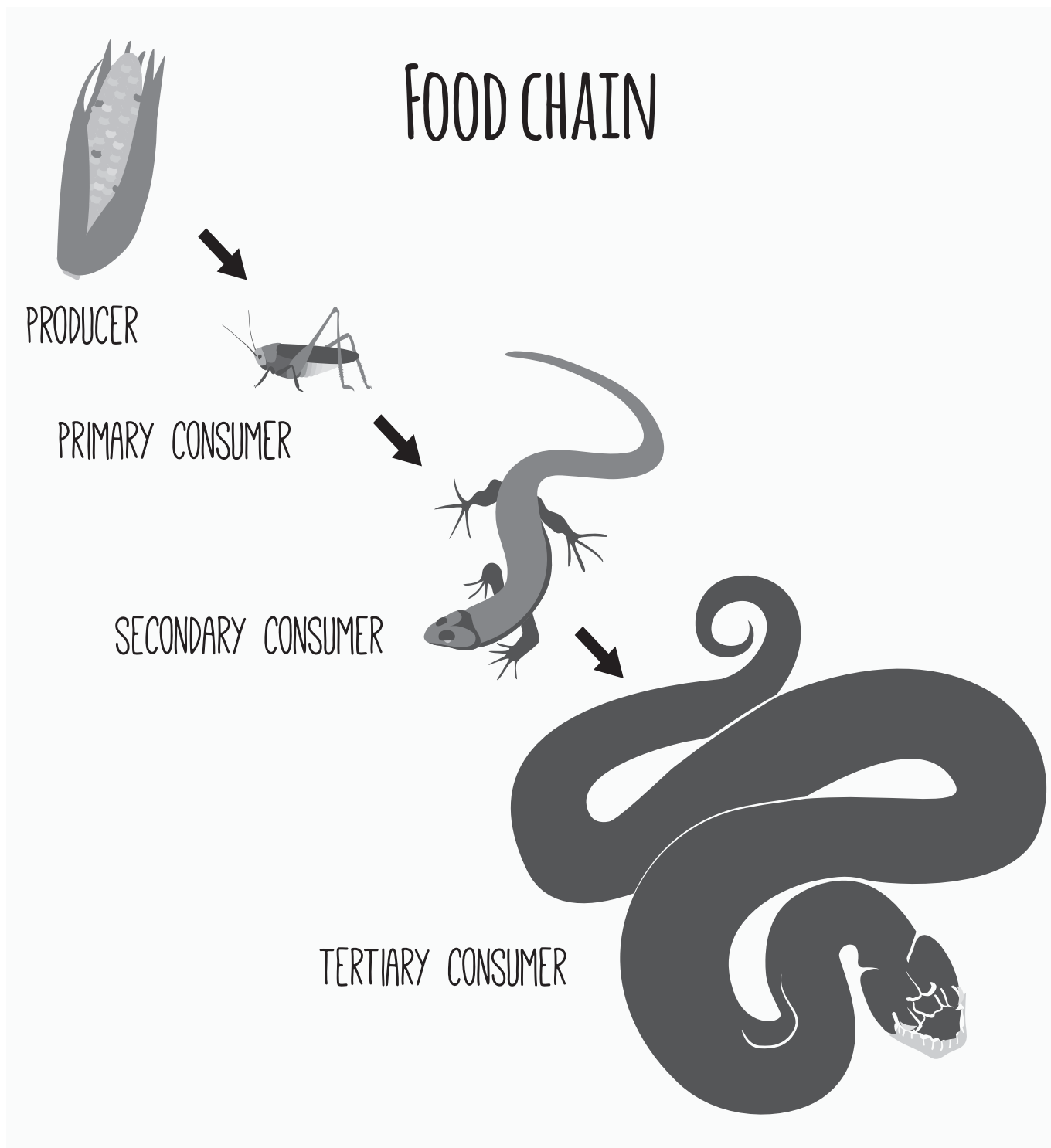
FOOD CHAIN WITH DECOMPOSERS



RESOURCE 15

Alinabel/ Shutterstock

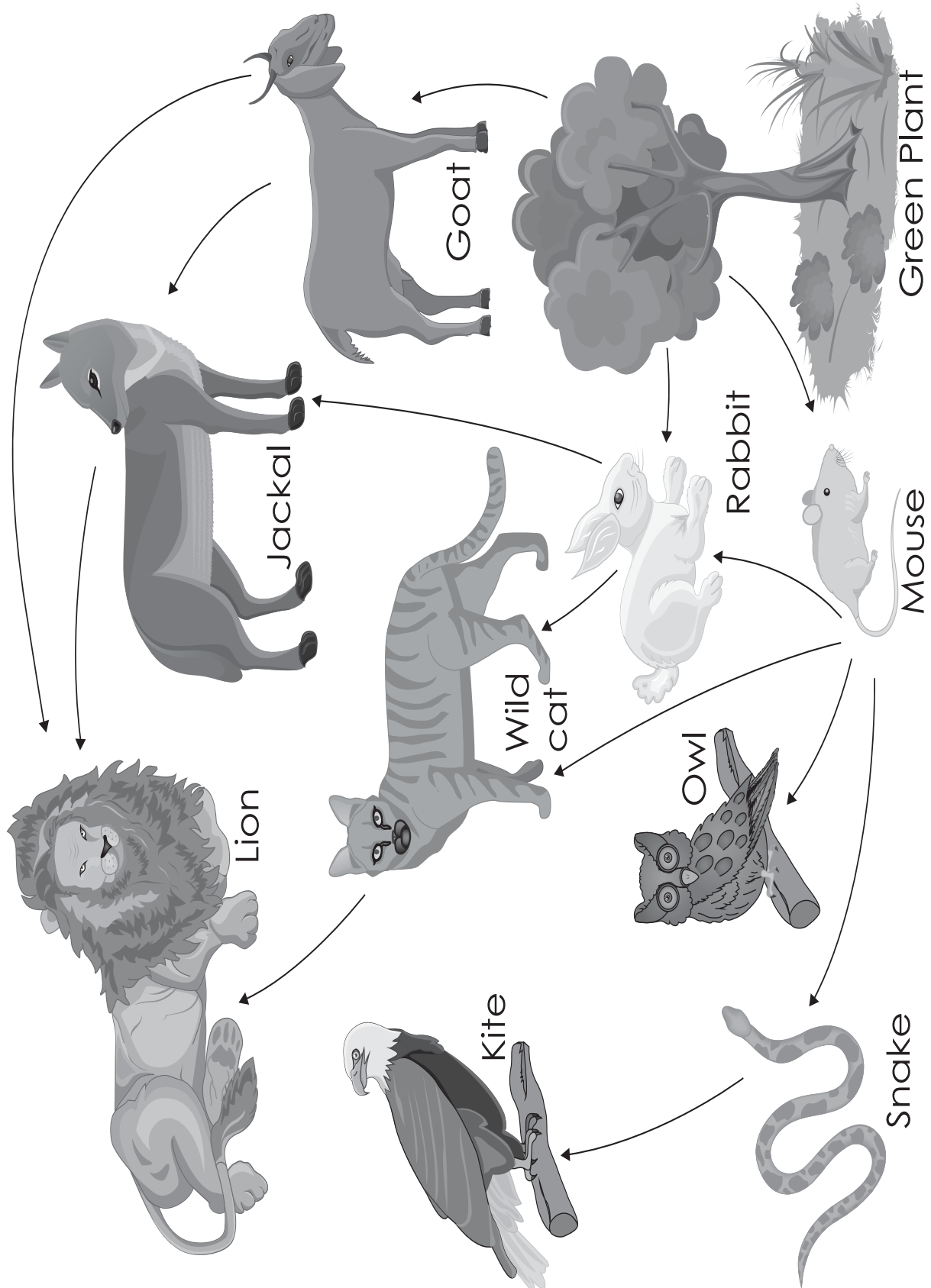
FOOD CHAIN



RESOURCE 16

Snappgalleria/ Shutterstock

FOOD WEB



RESOURCE 17

SaveJungle/ Shutterstock

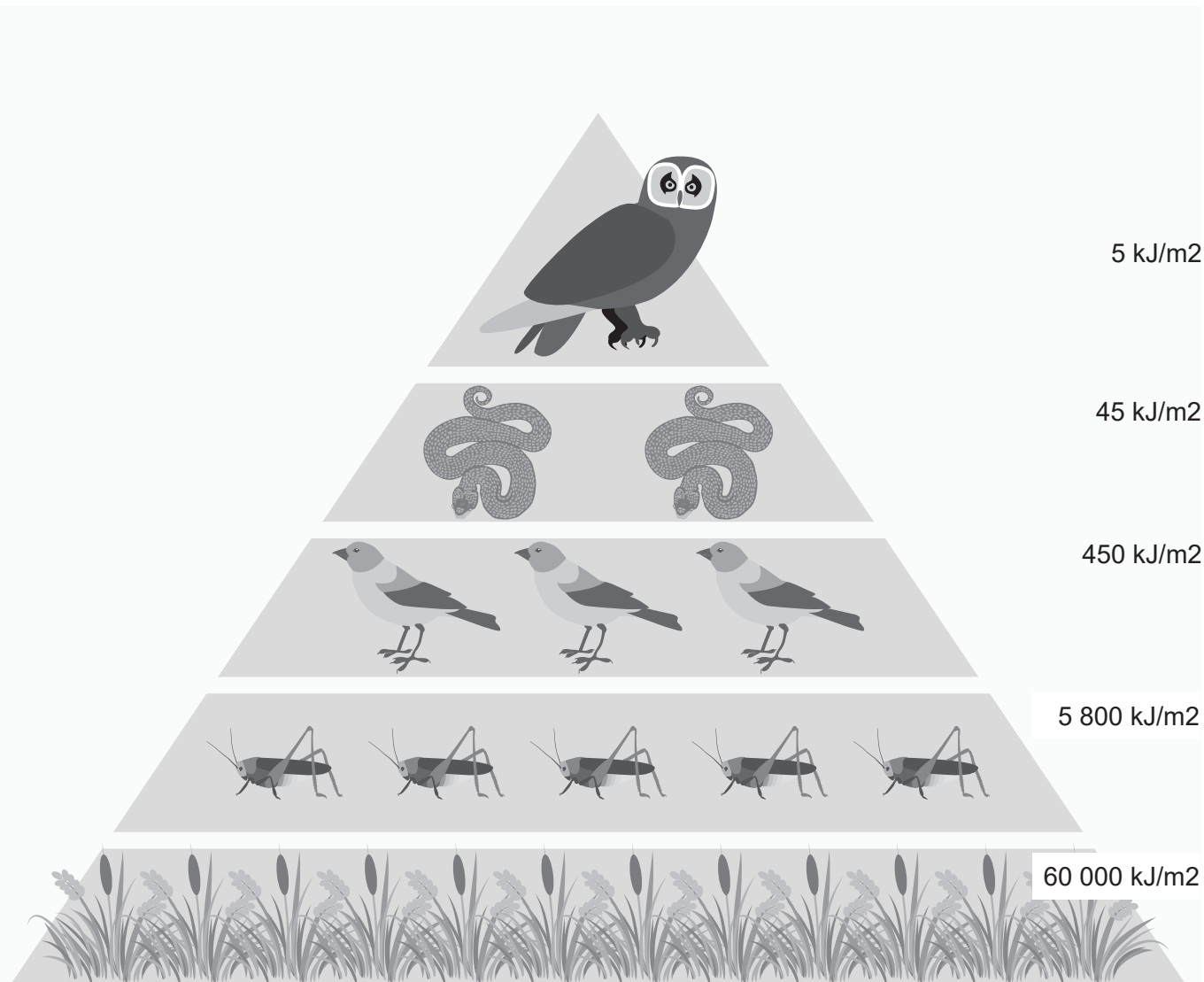
JUNGLE ECOSYSTEM / Jungle with Frog, Toucan, quetzal, humming-birds, butterflies, Ara and flowers



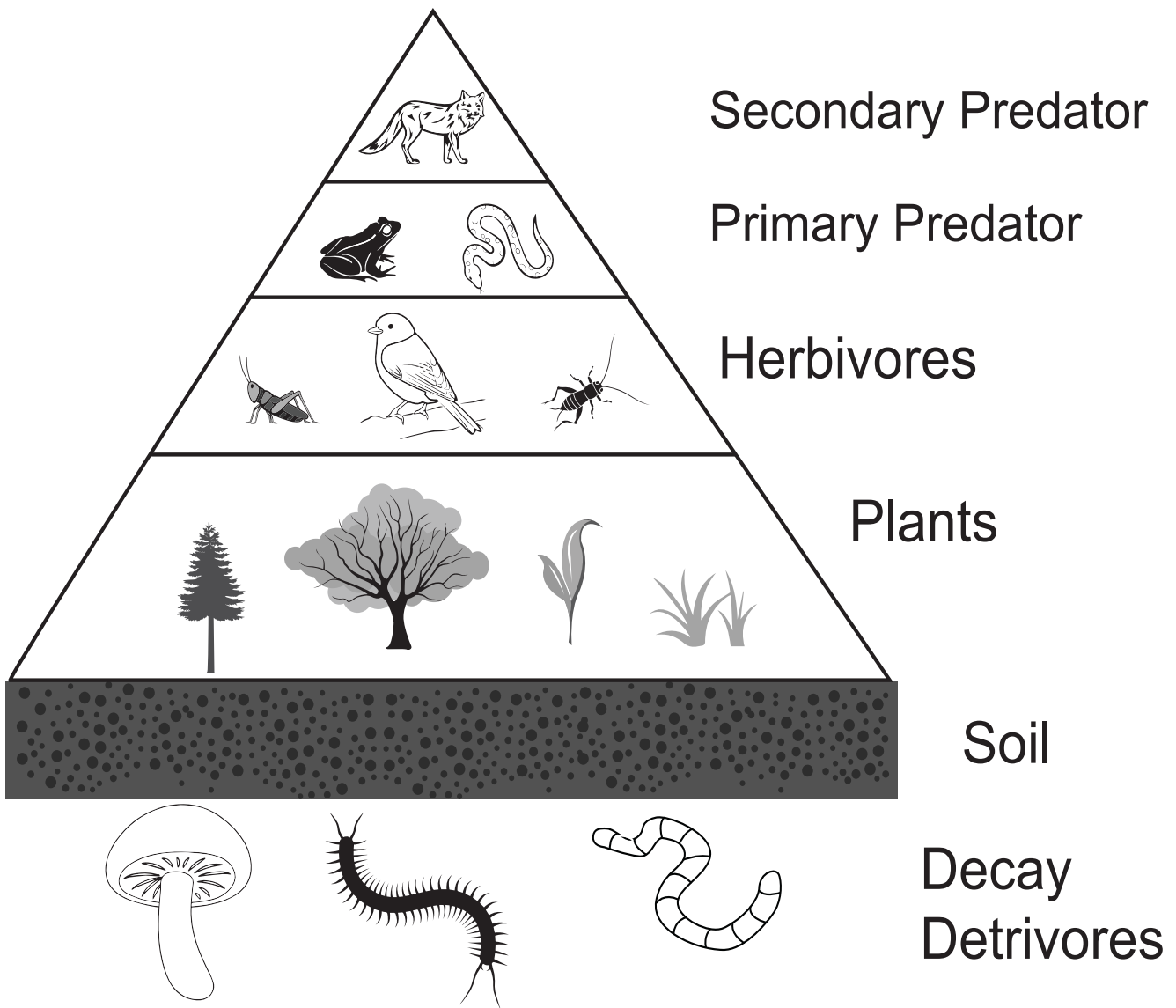
RESOURCE 18

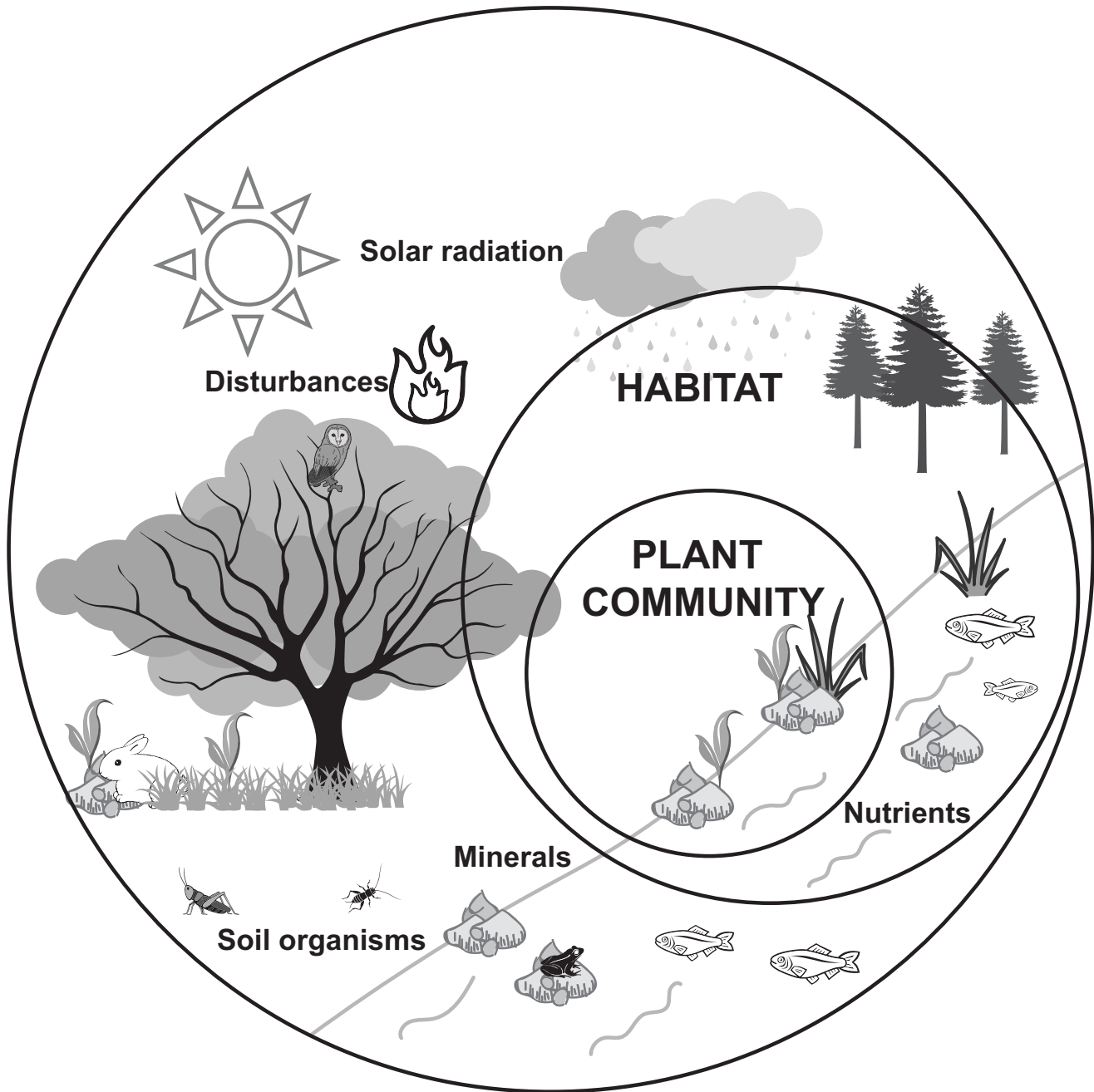
Alinabel/ Shutterstock

TROPHIC LEVELS



SIMPLIFIED ECOLOGICAL PYRAMID





RESOURCE 21

Montree Hanlue/ Shutterstock

VELD FIRE



RESOURCE 22

Sawat Banyenngam/ Shutterstock

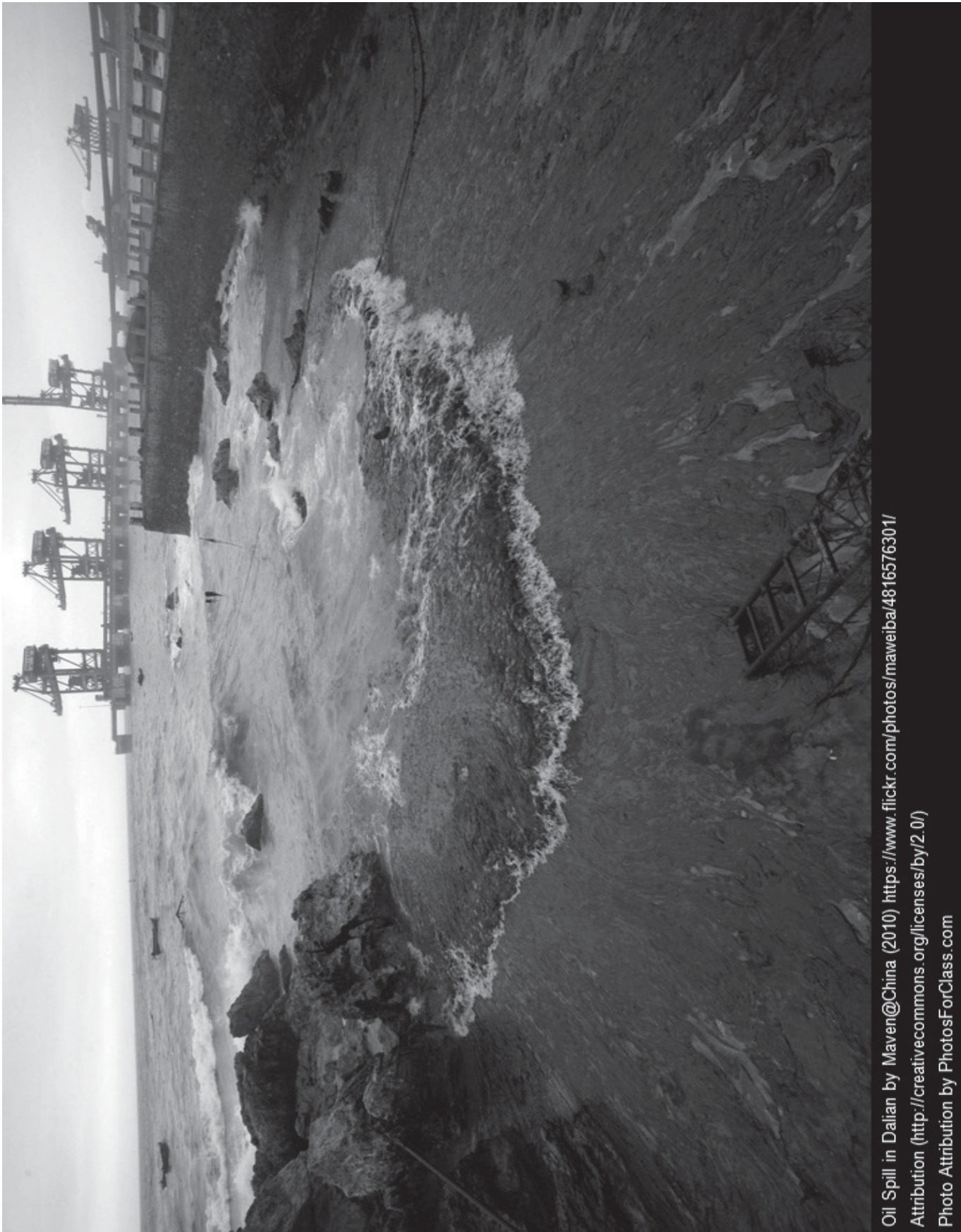
DROUGHT / This is an example of ground drought.



RESOURCE 23

(https://farm5.staticflickr.com/4137/4816576301_9fc17f67bf.jpg)

OIL SPILL



Oil Spill in Dalian by Maven@China (2010) <https://www.flickr.com/photos/maweiba/4816576301/>
Attribution (<http://creativecommons.org/licenses/by/2.0/>)
Photo Attribution by PhotosForClass.com

RESOURCE 24

Codegoni Daniele/ Shutterstock

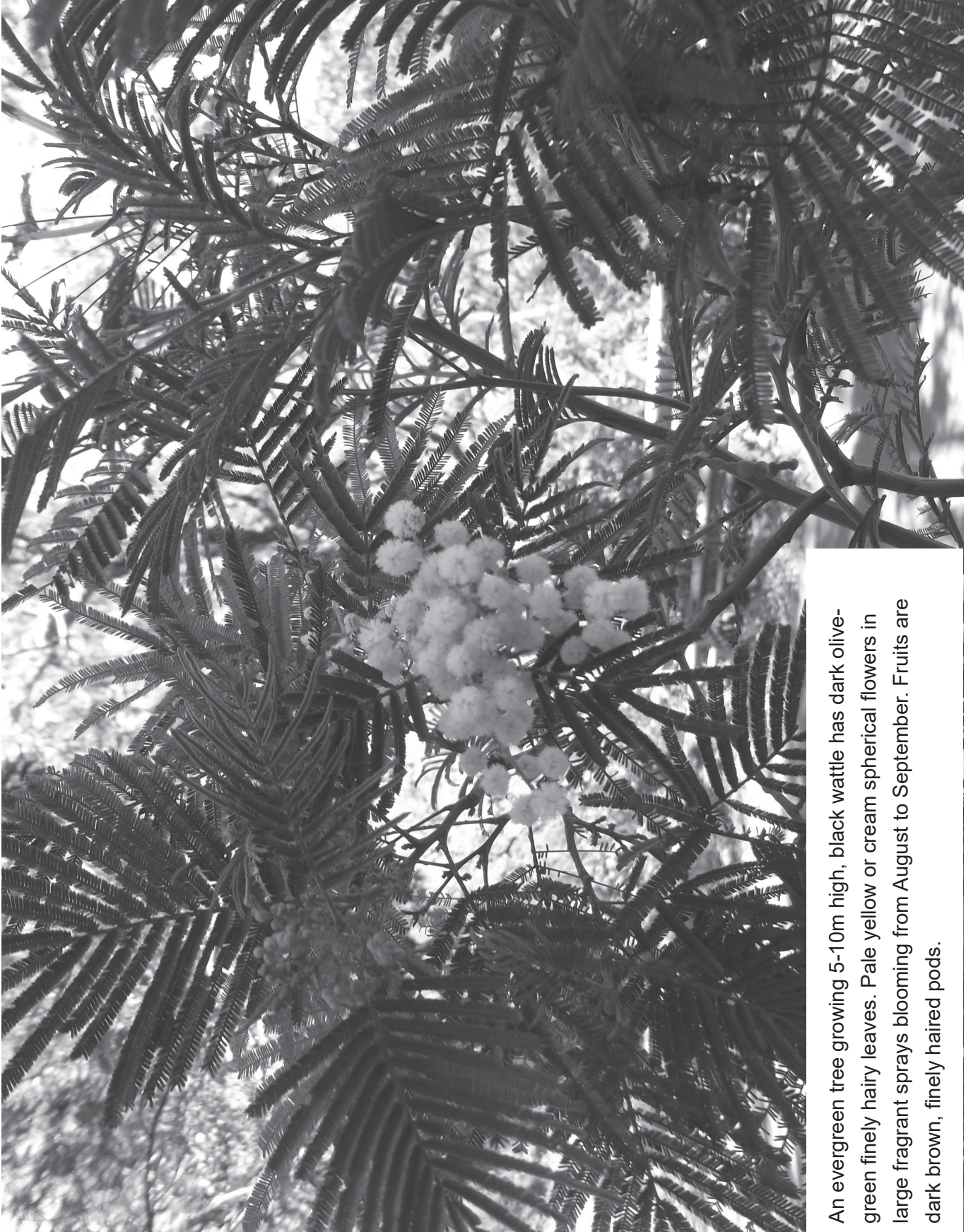
WETLAND / Isimangaliso Wetland landscape South Africa. Kwazulu-Natal. St Lucia



RESOURCE 25

(<https://commons.wikimedia.org/w/index.php?curid=38572290>) By Yercaud-Elango

BLACK WATTLE TREE



An evergreen tree growing 5-10m high, black wattle has dark olive-green finely hairy leaves. Pale yellow or cream spherical flowers in large fragrant sprays blooming from August to September. Fruits are dark brown, finely haired pods.

RECYCLE QUICK GUIDE




Please recycle the items listed below. All material must be clean, dry and empty.

Aluminum & Steel
Beverage cans, tin food cans, empty aerosol cans.



Plastic #1
Bottles and trays.
Water bottles, soda bottles, berry trays, film, etc.
Must be stamped with symbol.
Lids and labels are okay.



Plastic #2
Bottles only. Milk jugs, Detergent bottles, shampoo bottles, film, etc.
Must be stamped with symbol.
Lids and labels are okay.



Glass Bottles & Jars
Household glass bottles and jars can be recycled in the GLASS ONLY Drop Off Containers. Will NOT be accepted in the curbside recycling bins or blue drop-off trailers.



Cardboard
Corrugated cardboard and food boxes (remove packaging and liners).
No food or grease residue.
No waxy lined containers or cartons.



Newspaper & Magazines
Including all inserts
Keep separate from office paper and junk mail.



Office Paper & Junk Mail
Mixed office paper, notebook paper, etc.
Staples, paperclips and plastic windows are okay.
Shredded paper must be bagged



Electronics
Computers, cell phones, wires, stereo systems, cameras, non-rechargeable batteries, etc. No televisions.
****DROP OFF at ESD Office****



RESOURCE 27

Namkarng Sopa/ Shutterstock

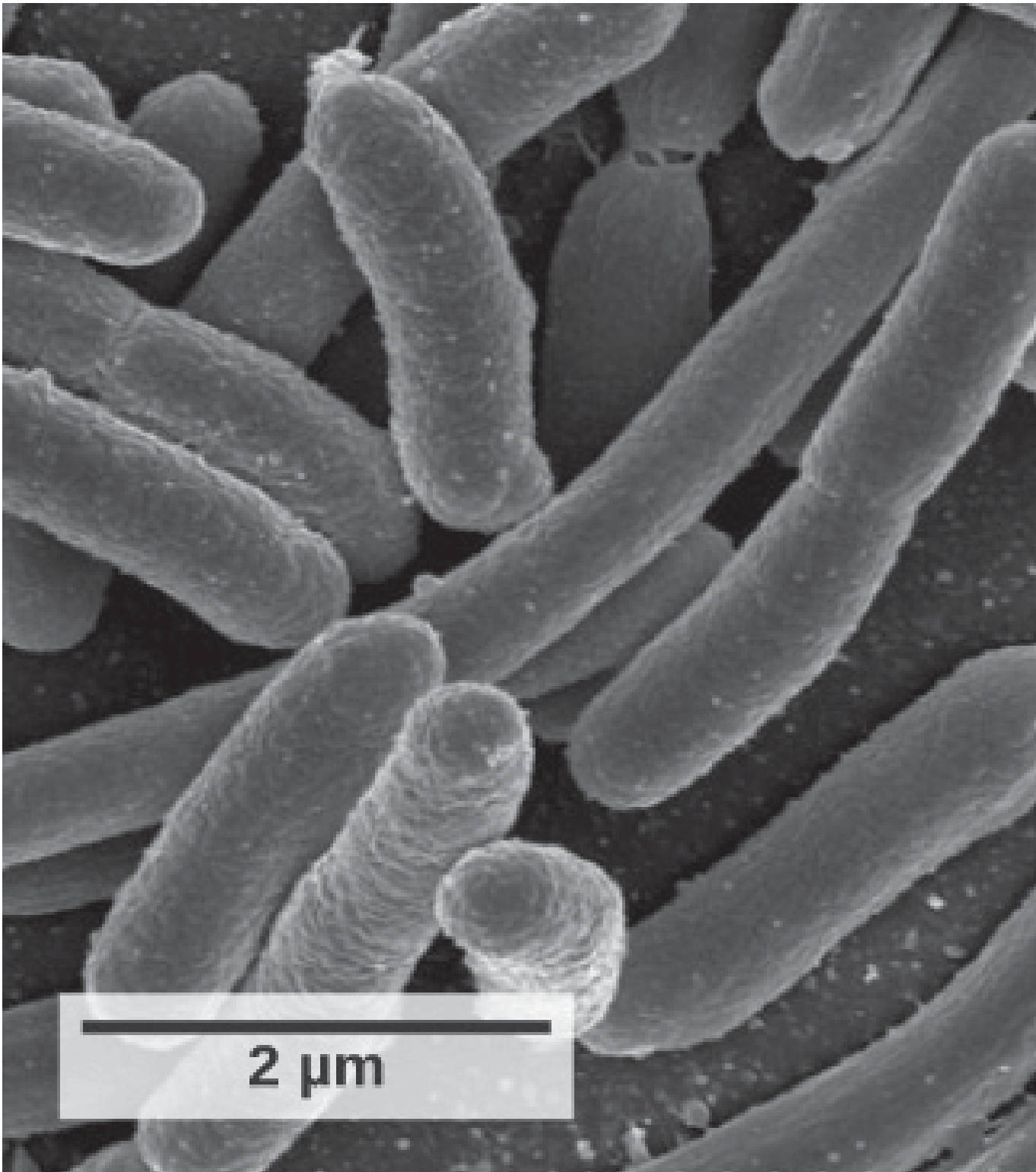
RECYCLING



RESOURCE 28

(https://bio.libretexts.org/@api/deki/files/11258/Figure_22_02_01abc.jpg?revision=1)

MICROGRAPH

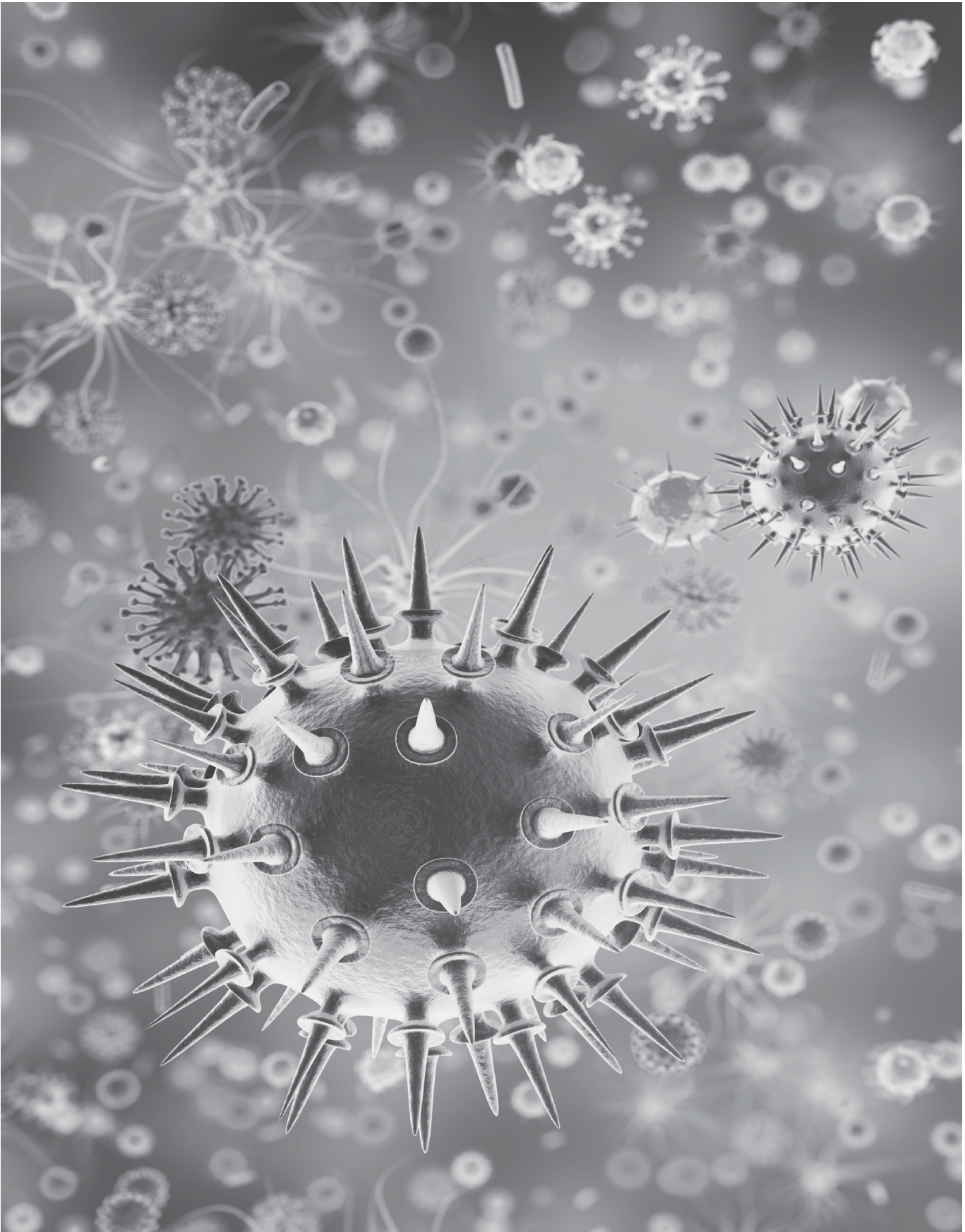


2 μm

RESOURCE 29

Rost9/ Shutterstock

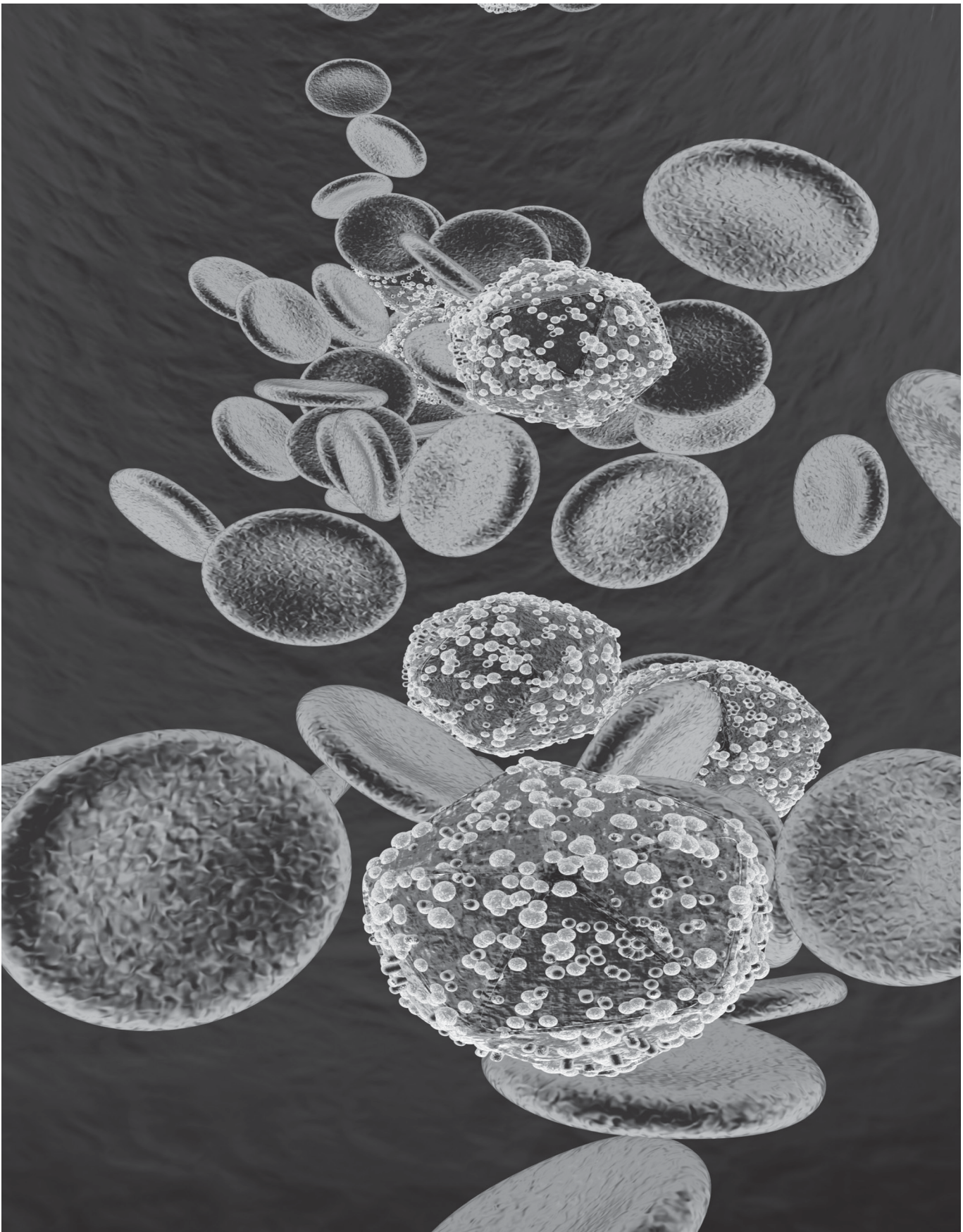
INFLUENZA VIRUS / Influenza Virus H1N1, Swine Flu



RESOURCE 30

Spectral-Design/ Shutterstock

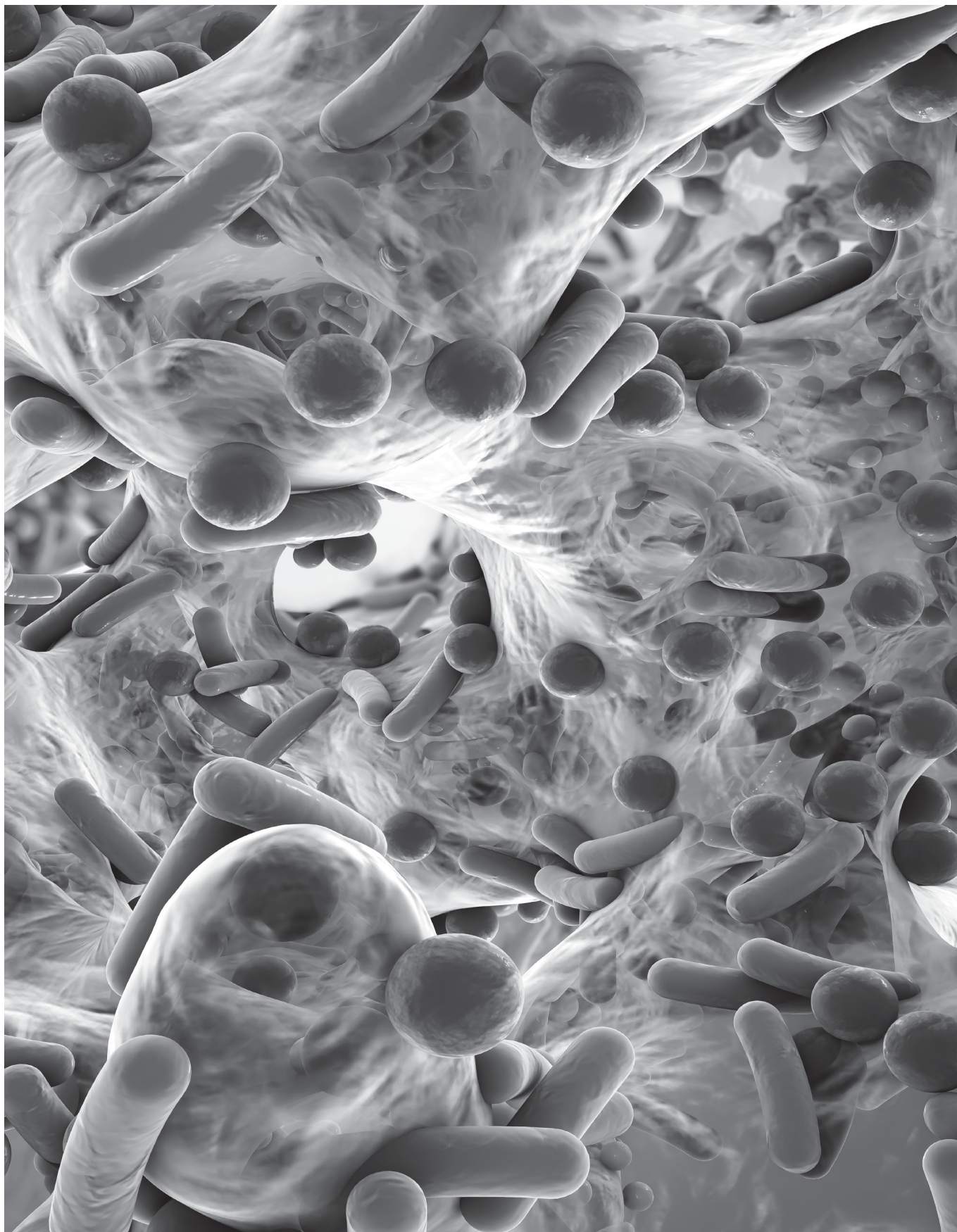
HIV VIRUS / Anatomically correct HIV Virus floating in the bloodstream



RESOURCE 31

Kateryna Kon/ Shutterstock

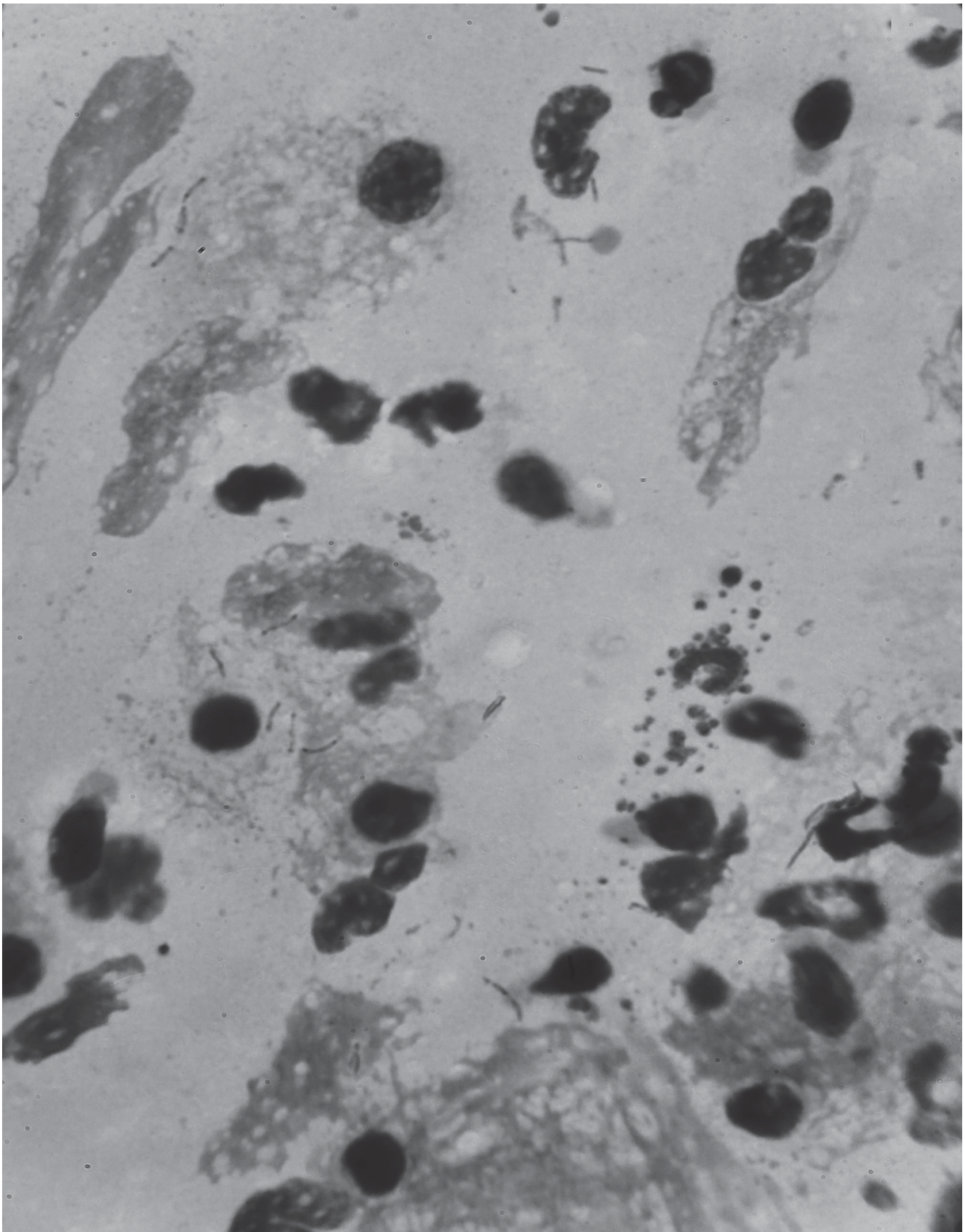
BACTERIA / Spherical and rod-shaped bacteria



RESOURCE 32

Medtech THAI STUDIO LAB 249/ Shutterstock

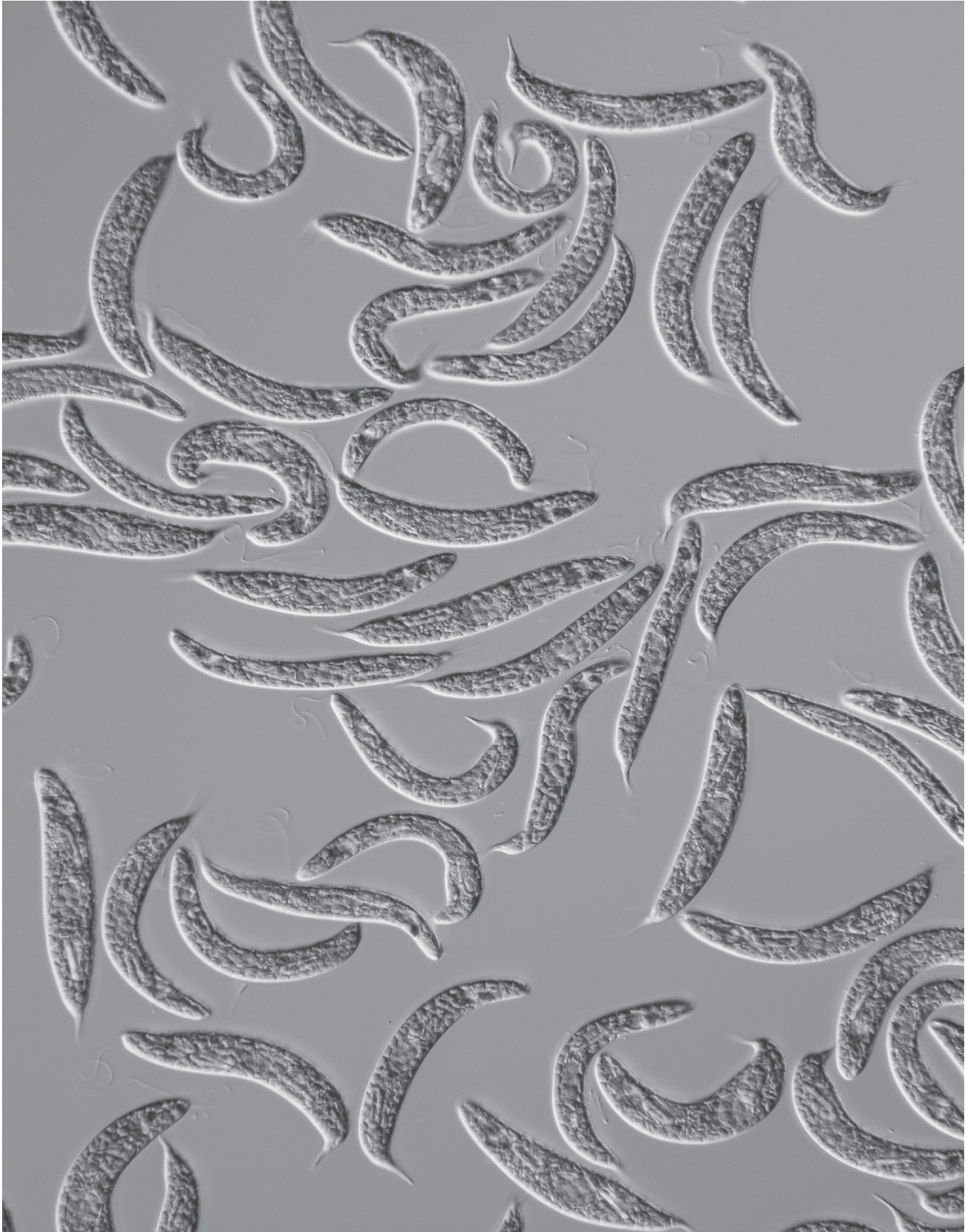
TB BACTERIA / The bacterium *Mycobacterium tuberculosis* under a microscope



RESOURCE 33

Lebendkulturen.de/ Shutterstock

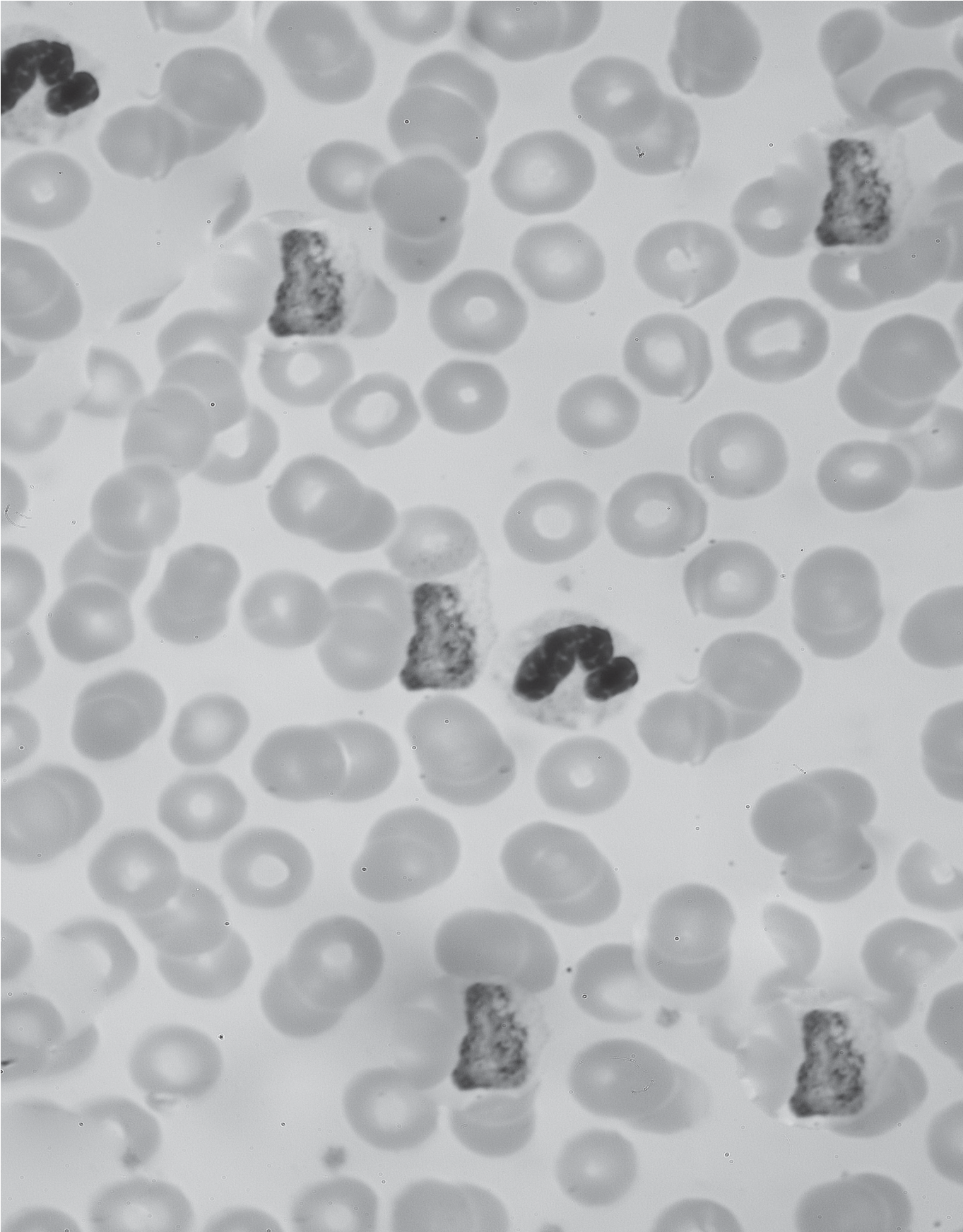
PROTISTA / Spirogyra - Protista



RESOURCE 34

Toeytoey/ Shutterstock

MALARIA PARASITE / Malaria parasite: Plasmodium



RESOURCE 35

Kostaflly/ Shutterstock

FUNGI / Blue mold with visible strands of microscopic fungi and balls with spores.



RESOURCE 36

Alen Thien/ Shutterstock

MUSHROOMS



RESOURCE 37

Satirus/ Shutterstock

PENICILLIN / Green colonies of the allergenic fungus *Penicillium*.



RESOURCE 38

Rsooll/ Shutterstock

BREAD COVERED WITH MOULD



RESOURCE 39

D_Townsend/Shutterstock

MOULD GROWTH ON WALL / Water damage causing mold growth on the interior walls



RESOURCE 40

ChameleonsEye/ Shutterstock

YEAST / Active yeast in warm water



RESOURCE 41

(<https://commons.wikimedia.org/w/index.php?curid=3606680>) By PiccoloNamek

VICEROY BUTTERFLY AND MONARCH BUTTERFLY



RESOURCE 42

(<https://commons.wikimedia.org/w/index.php?curid=3606680>) By Piccolo Namek

DIFFERENCE BETWEEN VICEROY BUTTERFLY AND MONARCH BUTTERFLY

The Viceroy butterfly

