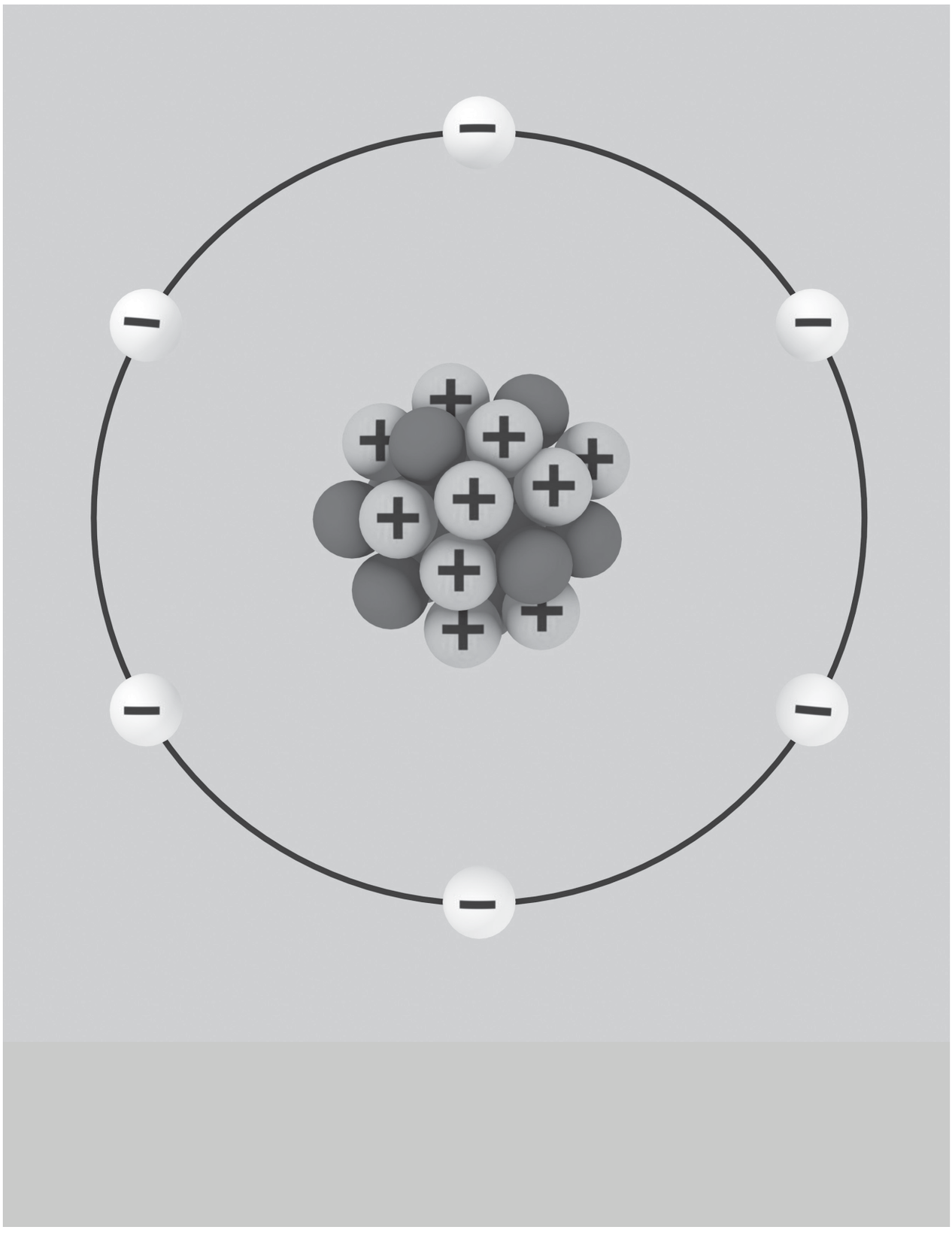
NATURAL SCIENCES

RESOURCE PACK
GRADE 8 TERM 3

RESOURCE 1

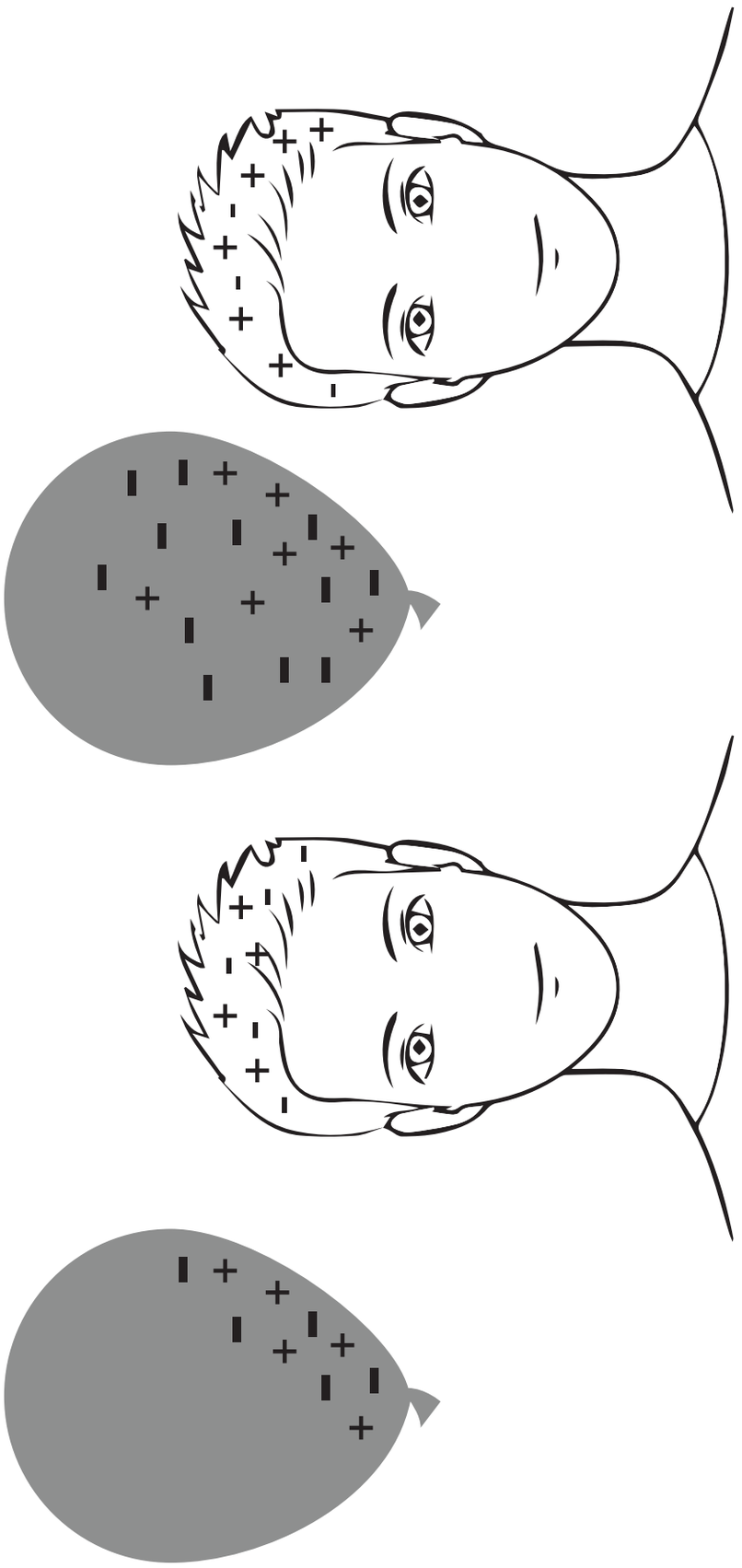
3drenderings/ Shutterstock

STRUCTURE OF THE ATOM



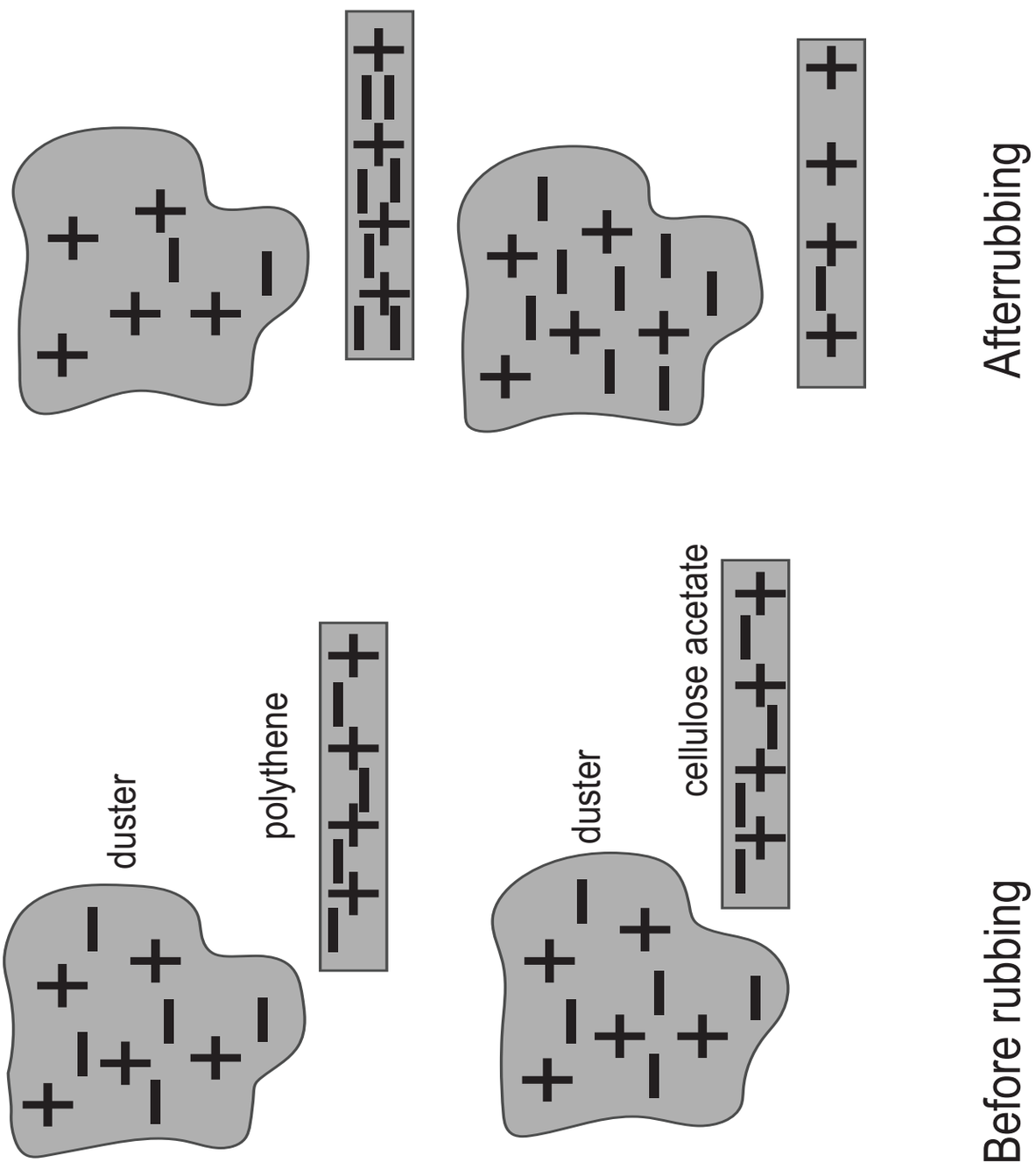
RESOURCE 2

RUBBING HAIR WITH BALLOON



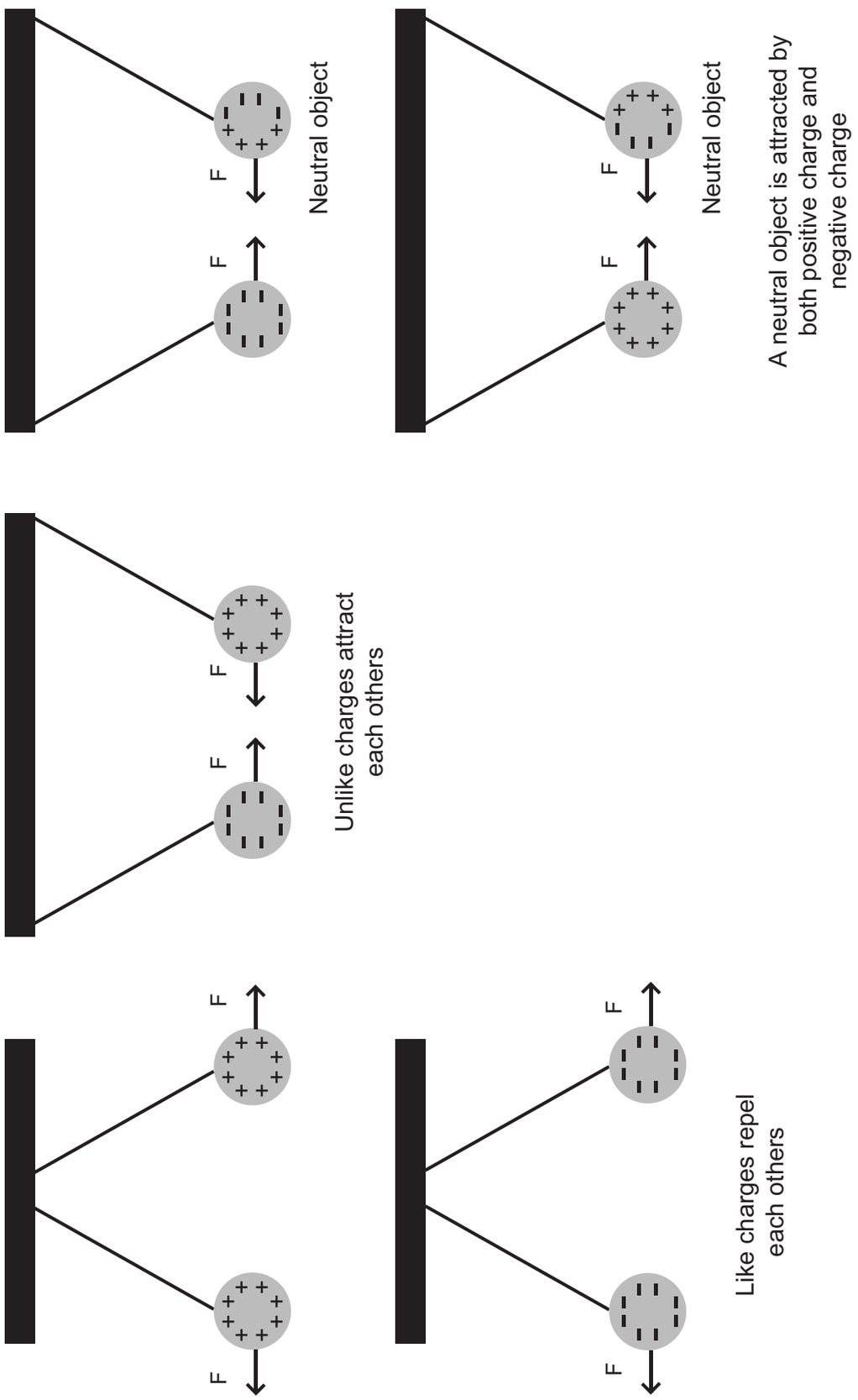
RESOURCE 3

ELECTRICAL CHARGING THROUGH FRICTION



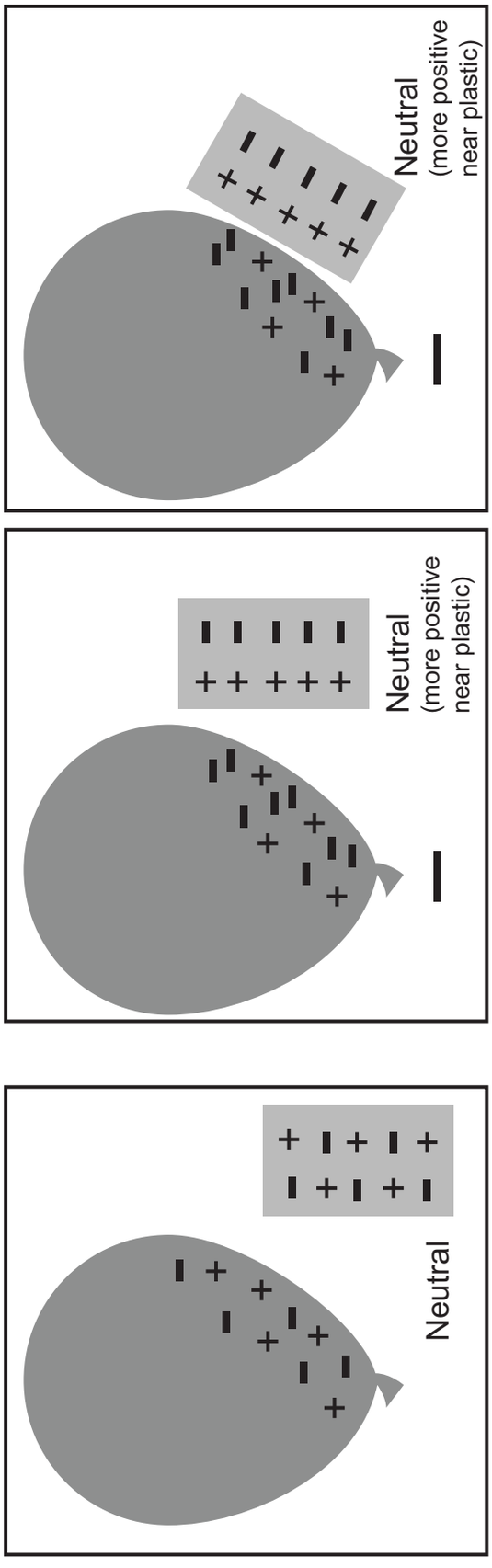
RESOURCE 4

ATTRACTIVE AND REPULSIVE ELECTROSTATIC FORCES



RESOURCE 5

CHARGED OBJECT ATTRACTING NEUTRAL OBJECT



RESOURCE 6

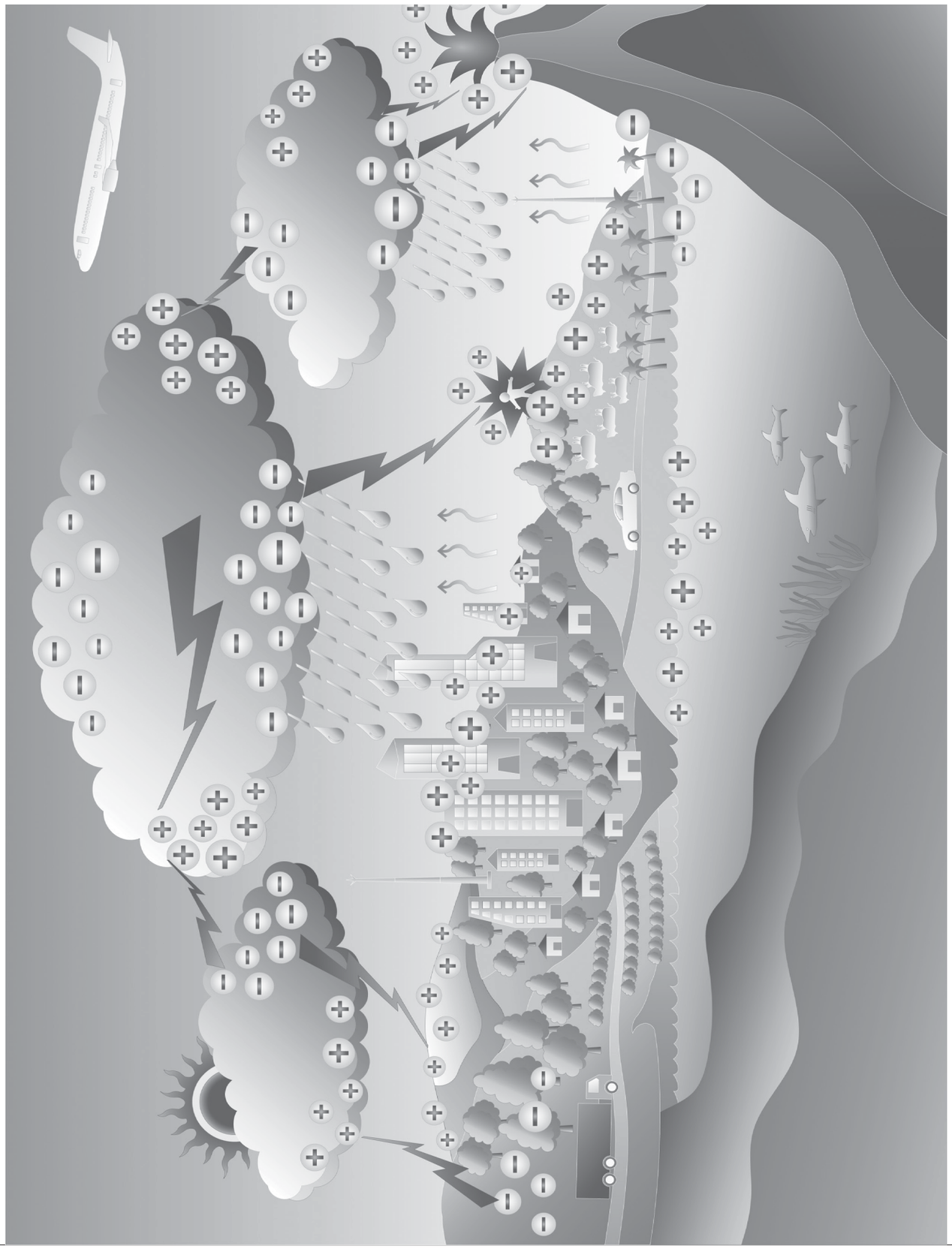
Maria Bobrova/ Shutterstock

EFFECT OF STATIC ELECTRICITY ON A GIRL'S HAIR

RESOURCE 7

Bubblea/ Shutterstock

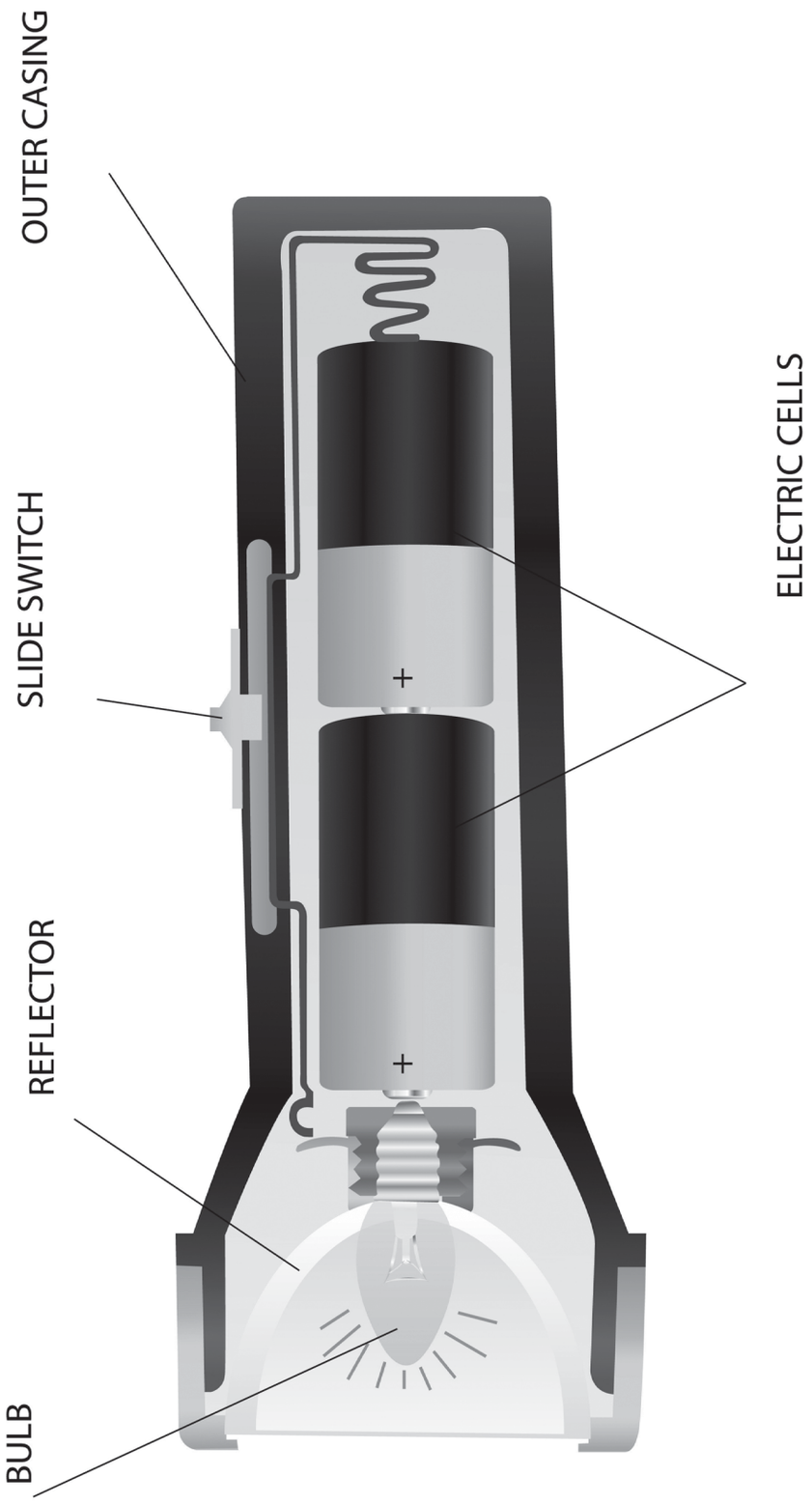
LIGHTNING: ELECTROSTATIC DISCHARGE



RESOURCE 8

Imagedb.com/ Shutterstock

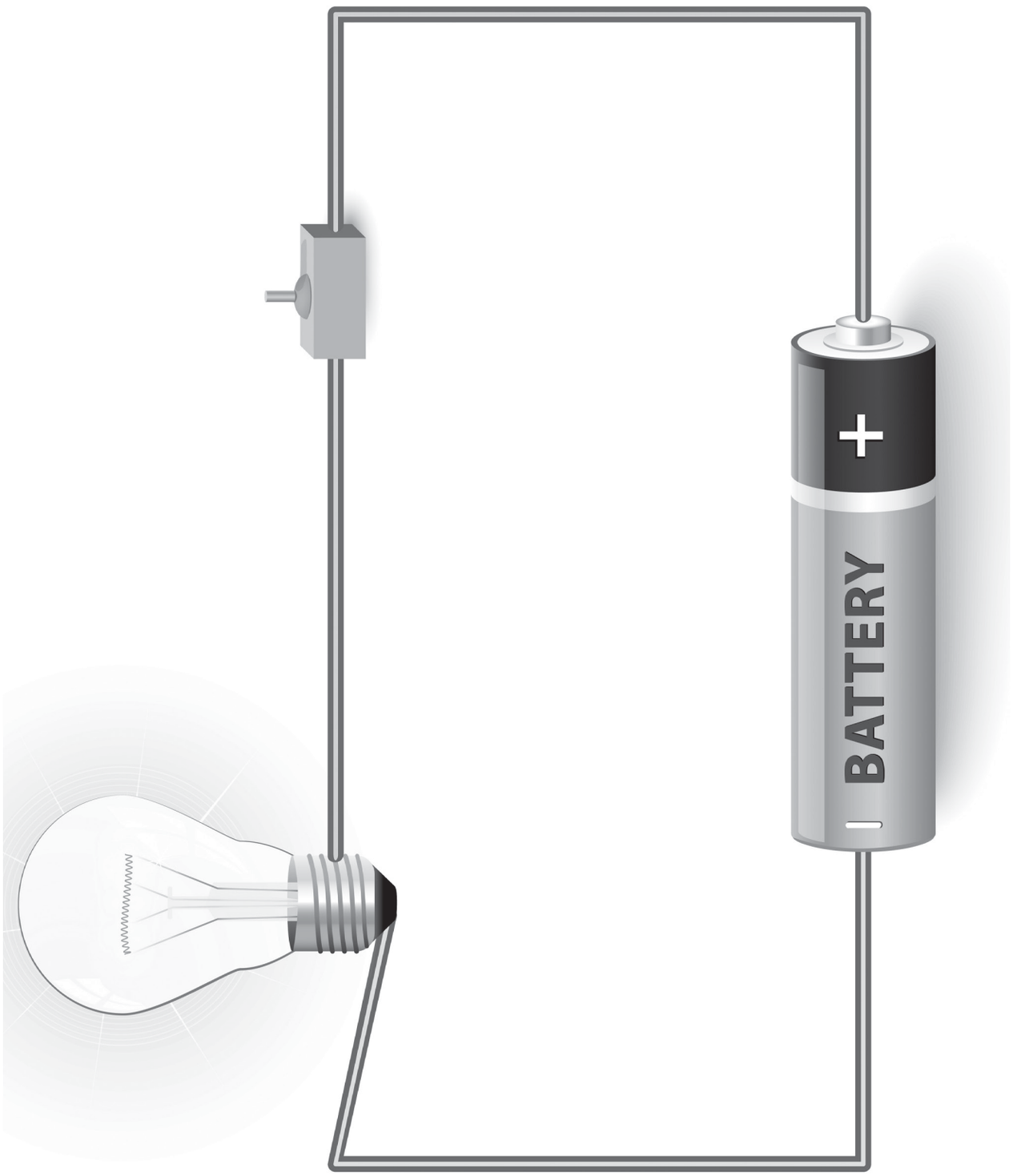
PARTS OF A LIGHT TORCH



RESOURCE 9

Designua/ Shutterstock

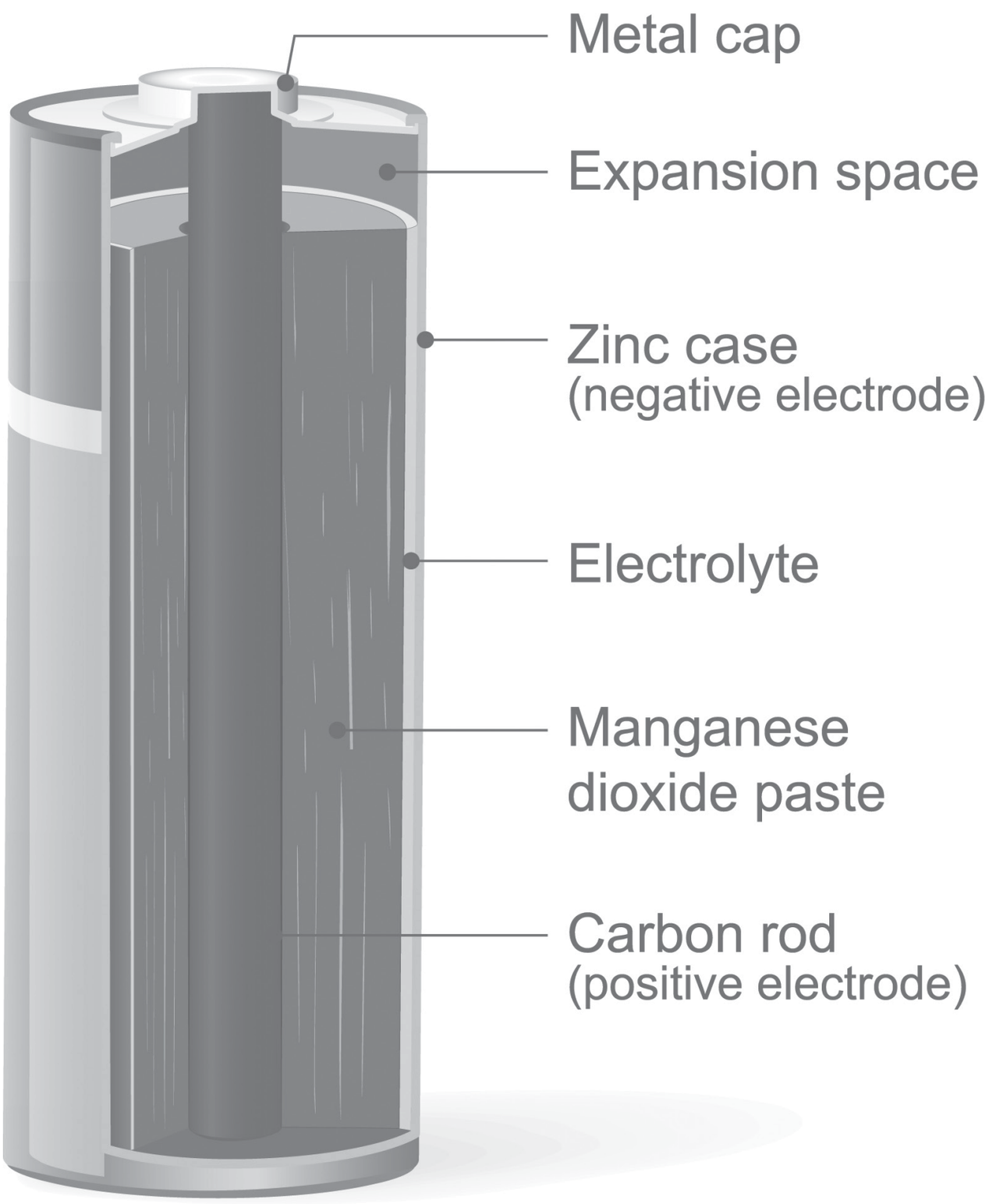
SIMPLE CIRCUIT



RESOURCE 10

Designua/ Shutterstock

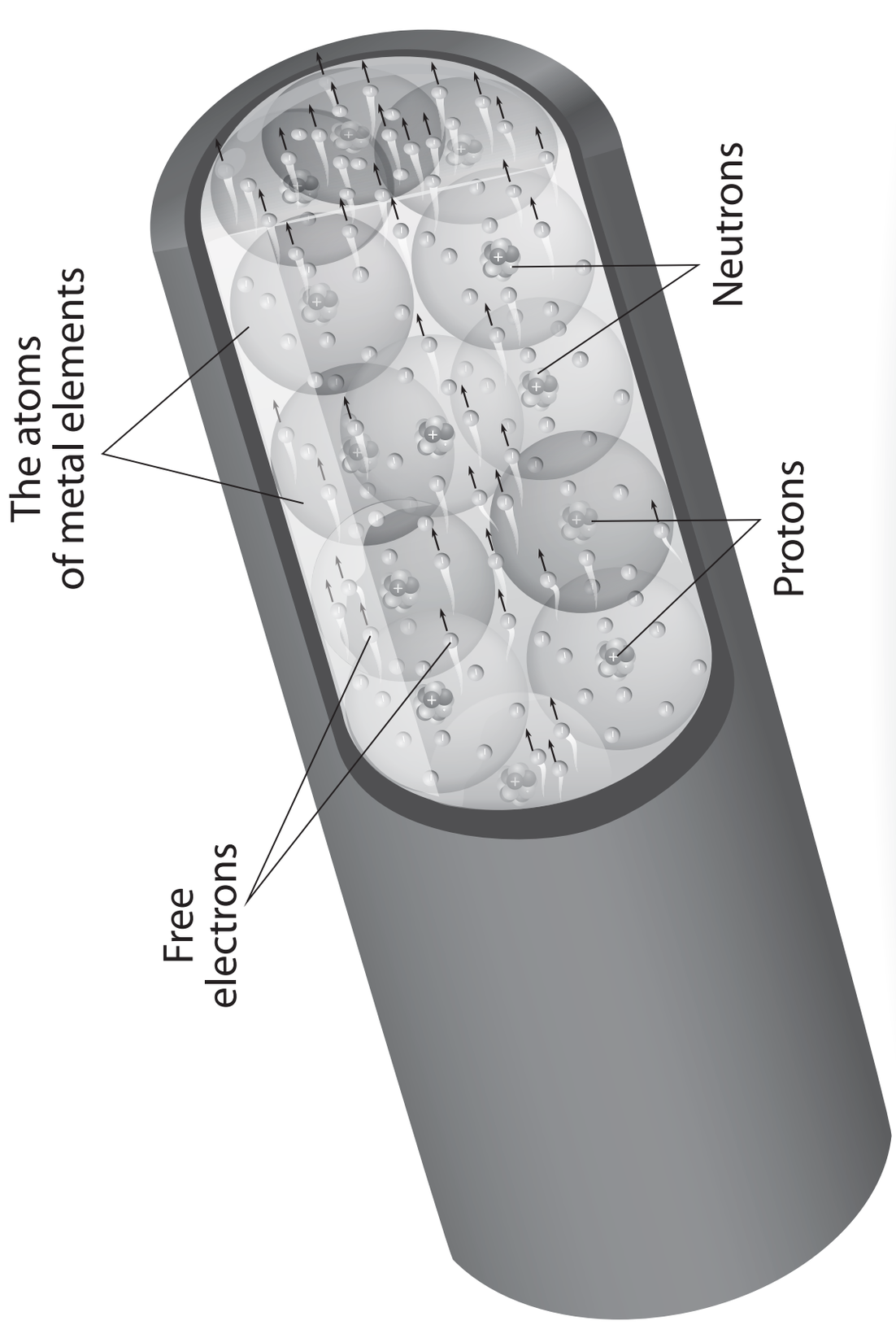
PARTS OF A DRY CELL



RESOURCE 11

Designua/ Shutterstock

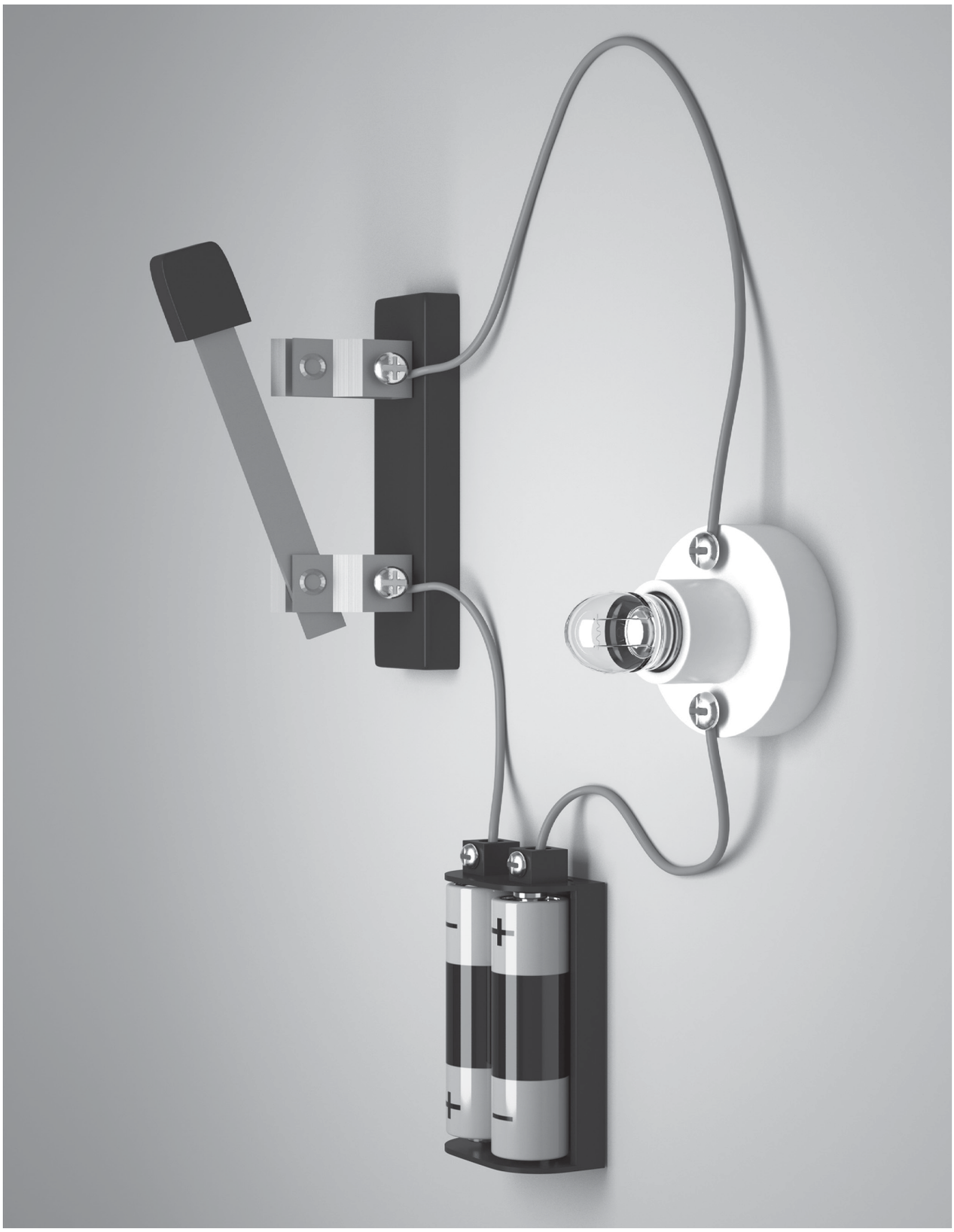
ELECTRIC CONDUCTOR



RESOURCE 12

Haryigit/ Shutterstock

CIRCUIT WITH OPEN SWITCH



RESOURCE 13

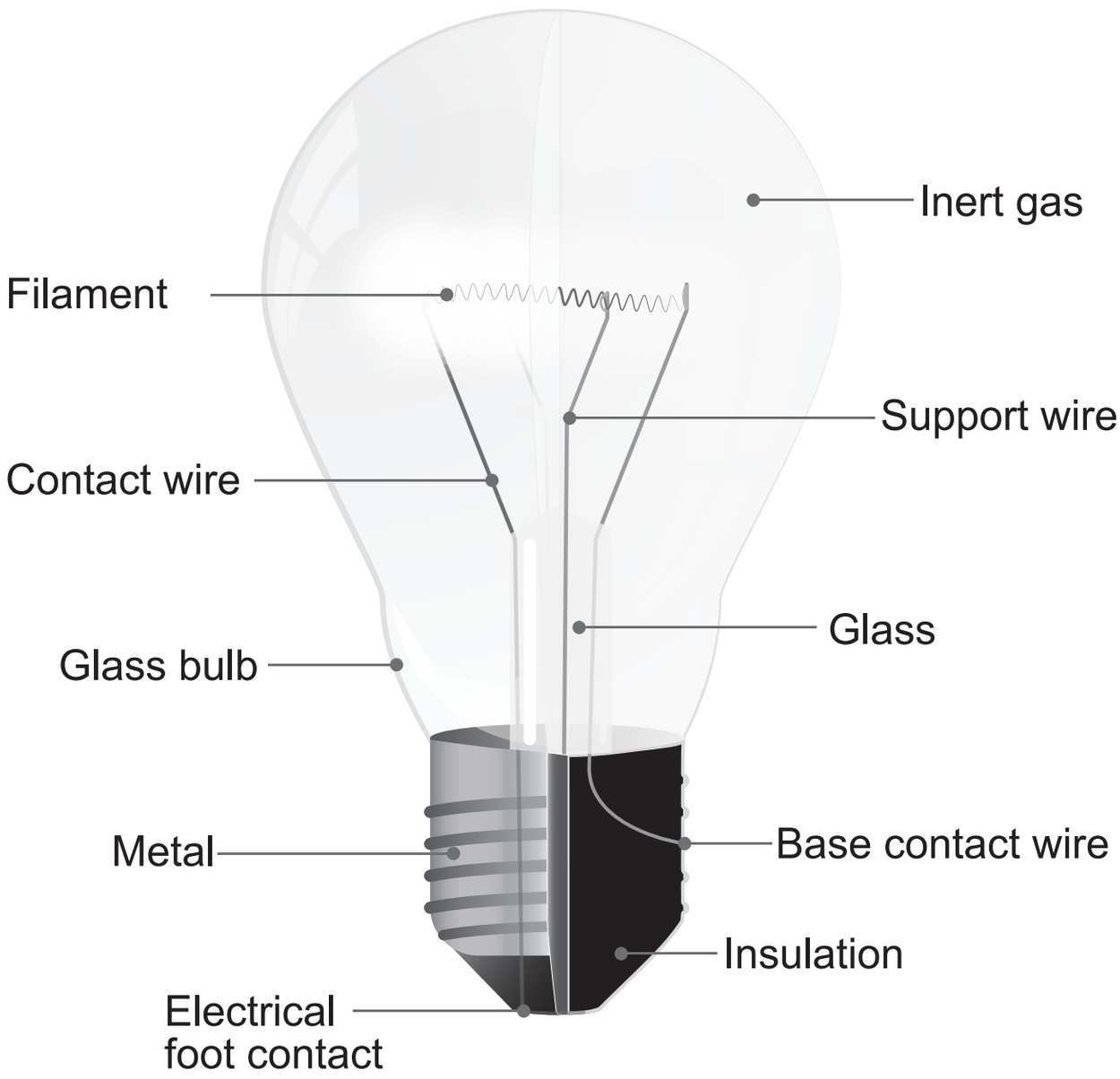
Haryigit/ Shutterstock

CIRCUIT WITH CLOSED SWITCH

RESOURCE 14

Designua/ Shutterstock

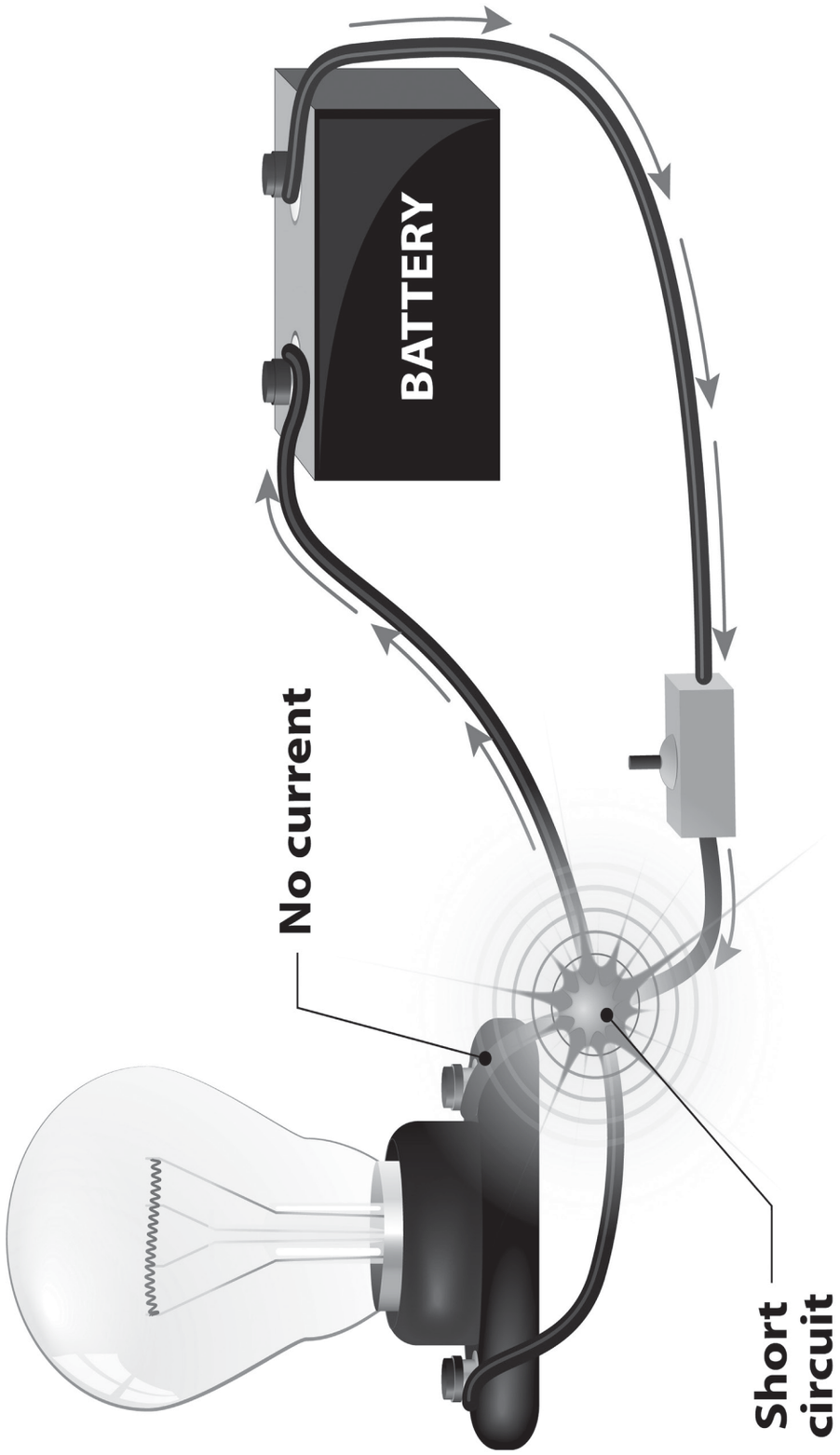
PARTS OF A LIGHT BULB



RESOURCE 15

Designua/ Shutterstock

SHORT CIRCUIT



RESOURCE 16

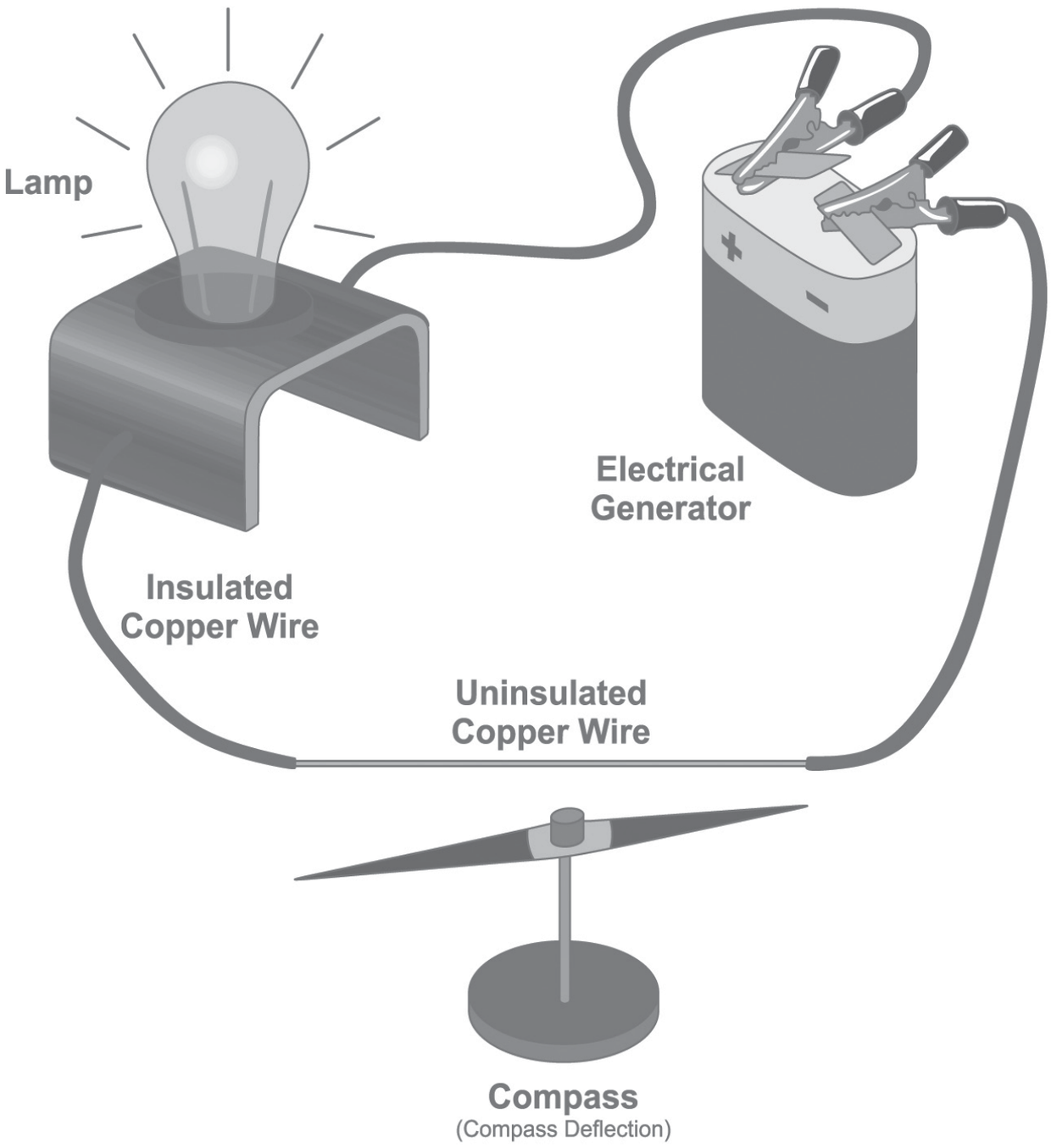
Oleg Bezrukov/ Shutterstock

A FUSE

RESOURCE 17

Udaix/ Shutterstock

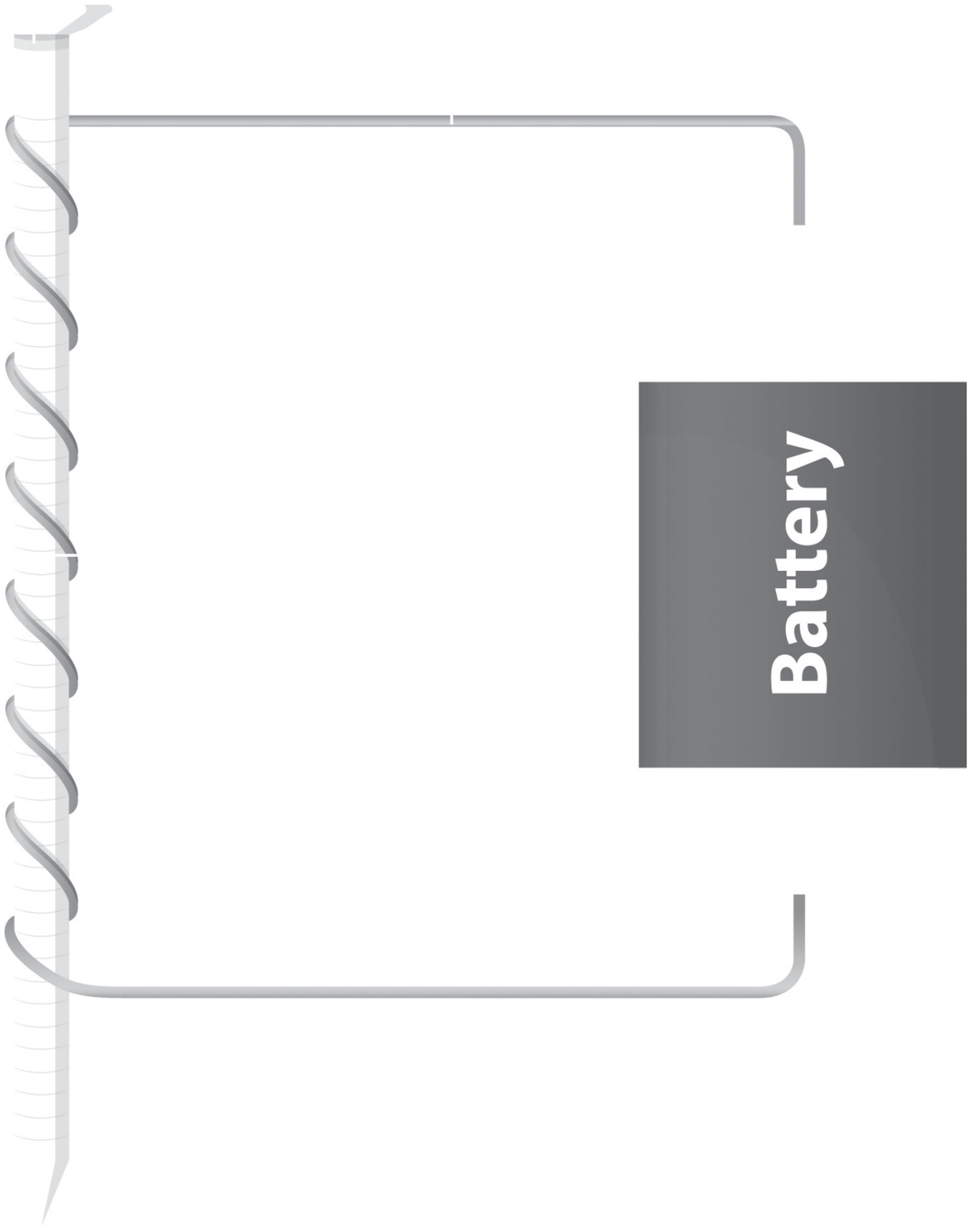
MAGNETIC EFFECT OF AN ELECTRIC CURRENT



RESOURCE 18

BlueRingMedia/ Shutterstock

ELECTROMAGNET



RESOURCE 19

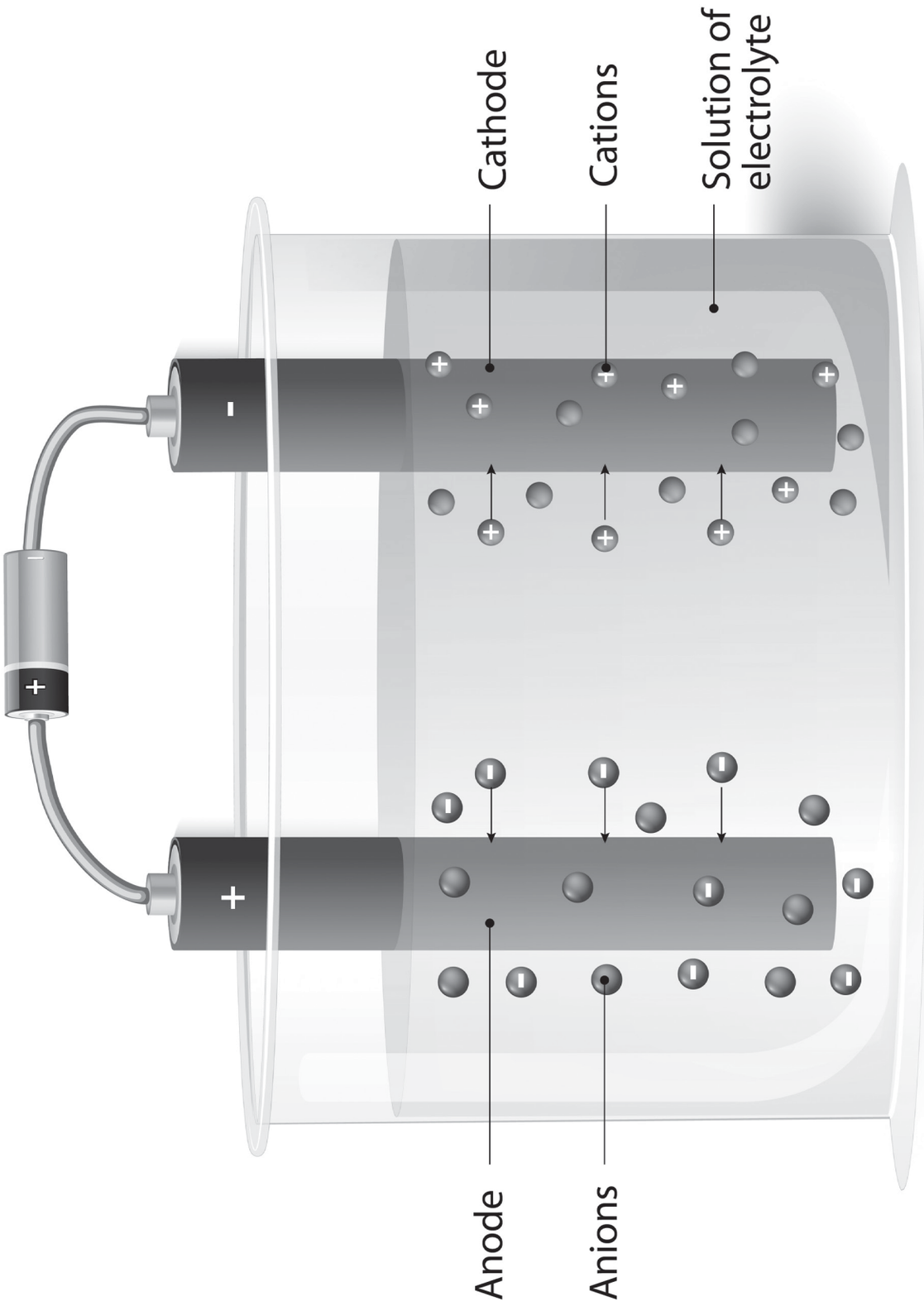
Finchfocus/ Shutterstock

ELECTROMAGNET PICKING UP SCRAP METAL

RESOURCE 20

Designua/ Shutterstock

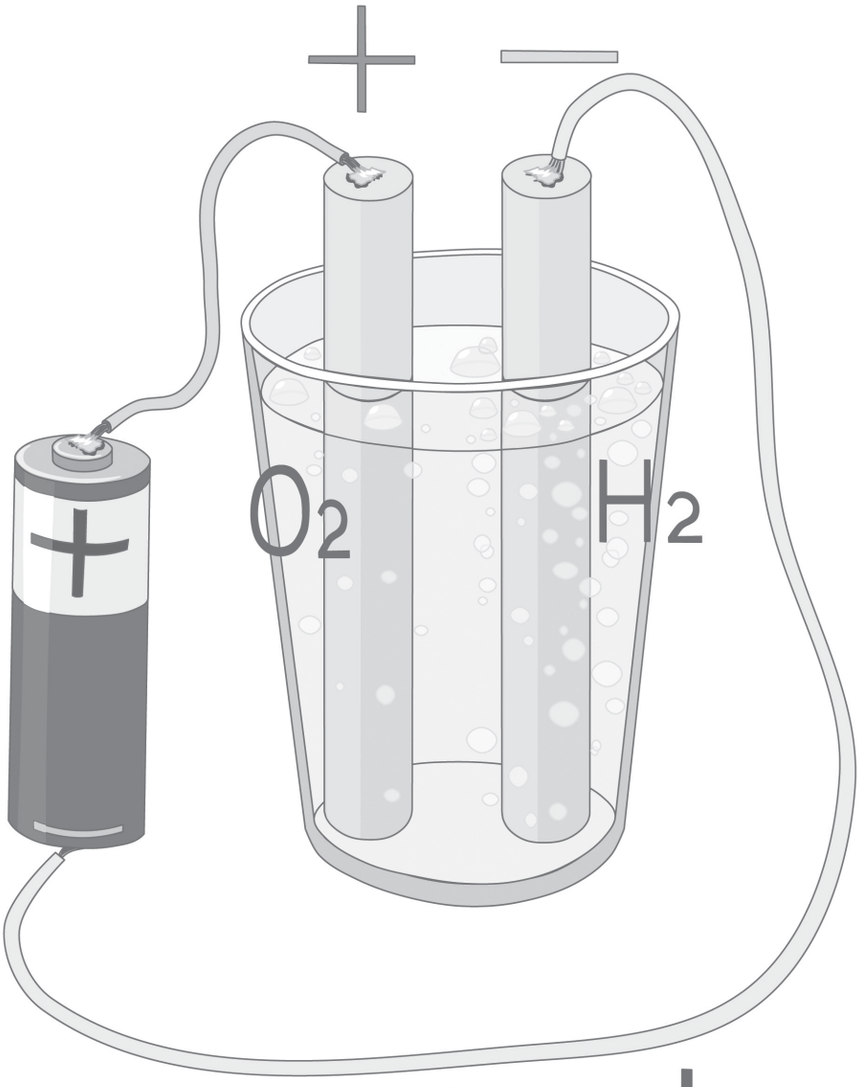
ELECTROLYSIS



RESOURCE 21

Sergey Merkulov/ Shutterstock

ELECTROLYSIS OF WATER

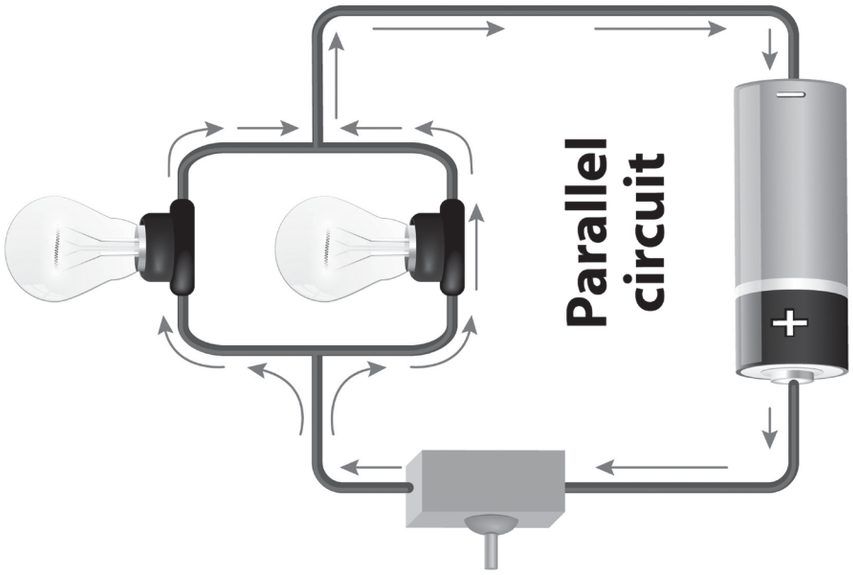


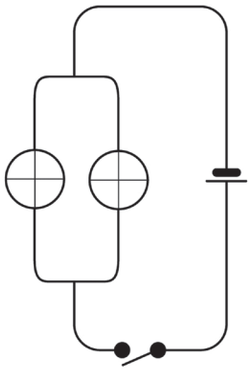
$$2H_2O \rightarrow O_2 + 2H_2$$

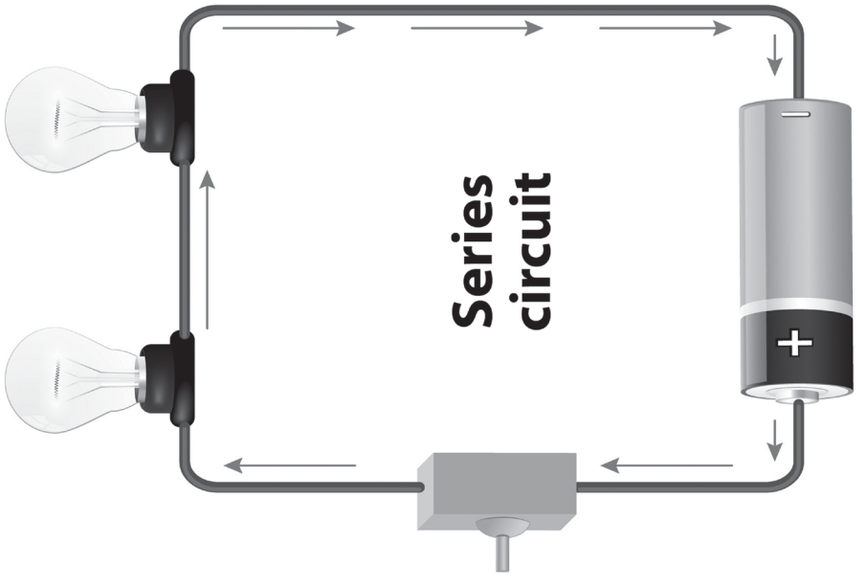
RESOURCE 22

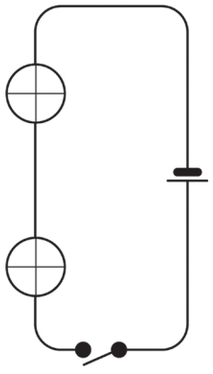
Designua/ Shutterstock

SERIES AND PARALLEL CIRCUITS









RESOURCE 23

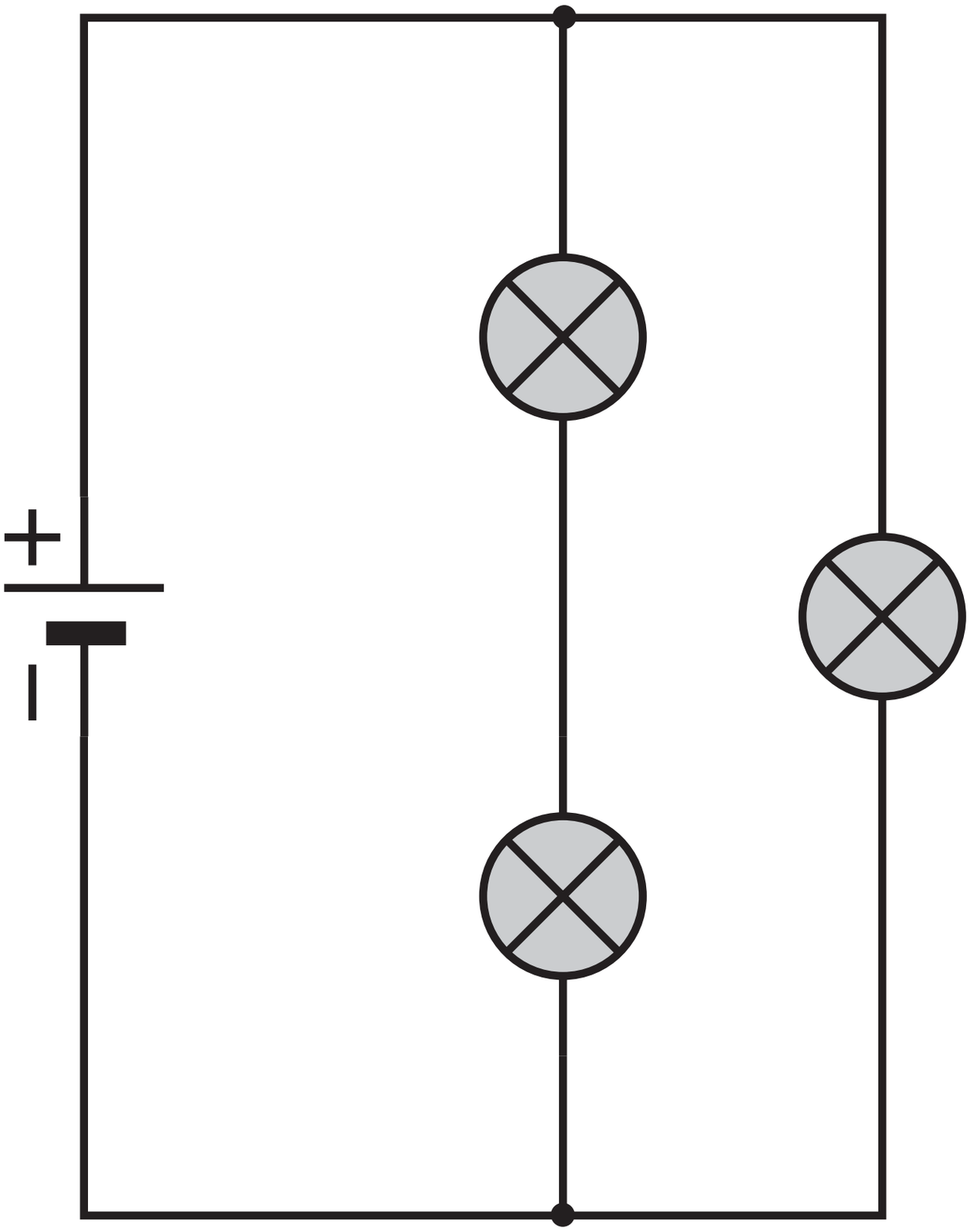
Haryigit/ Shutterstock

LIGHT BULBS CONNECTED IN PARALLEL

RESOURCE 24

MilanB/ Shutterstock

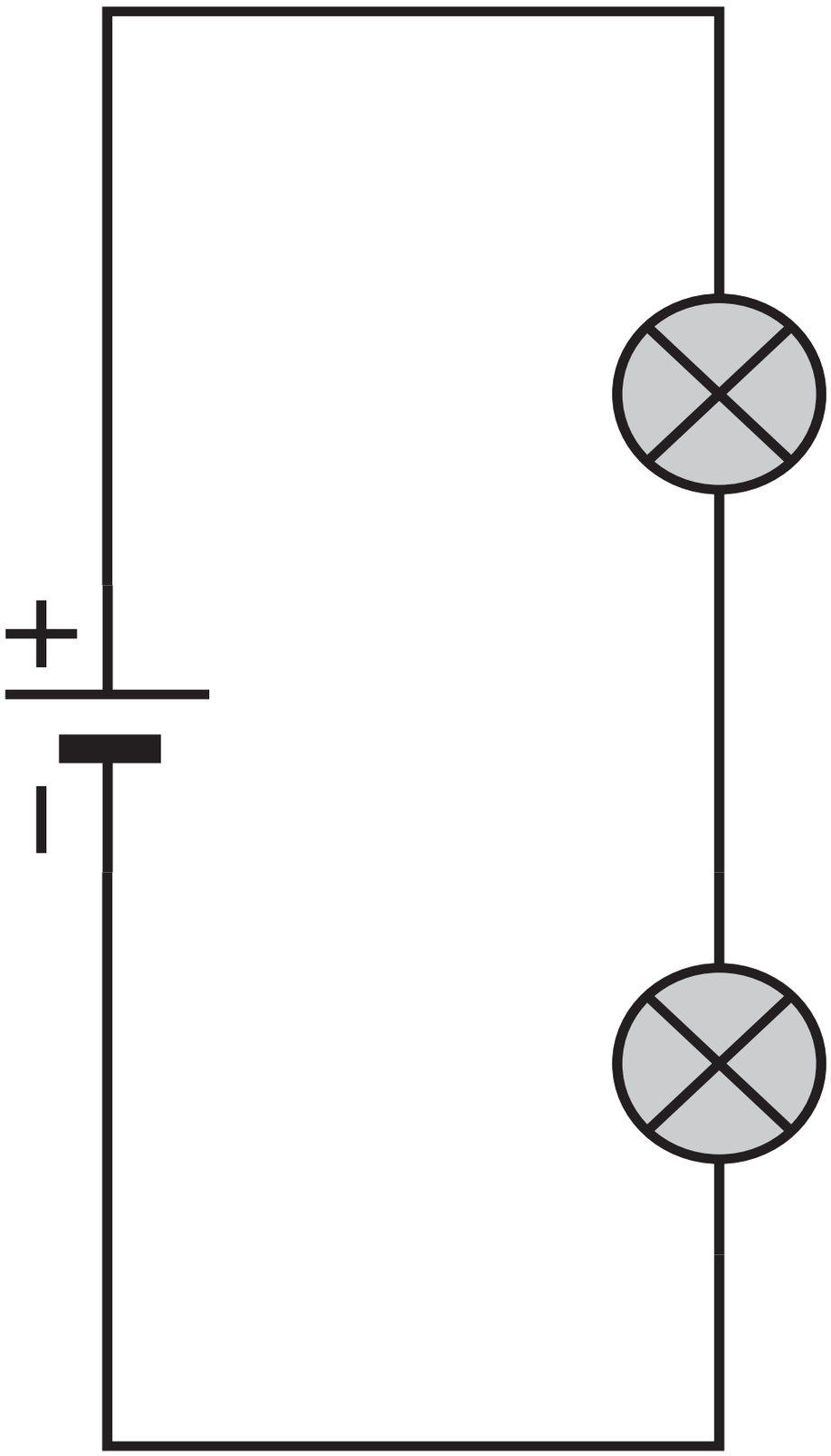
CIRCUIT DIAGRAM OF LIGHT BULBS IN SERIES



RESOURCE 25

MilanB/ Shutterstock

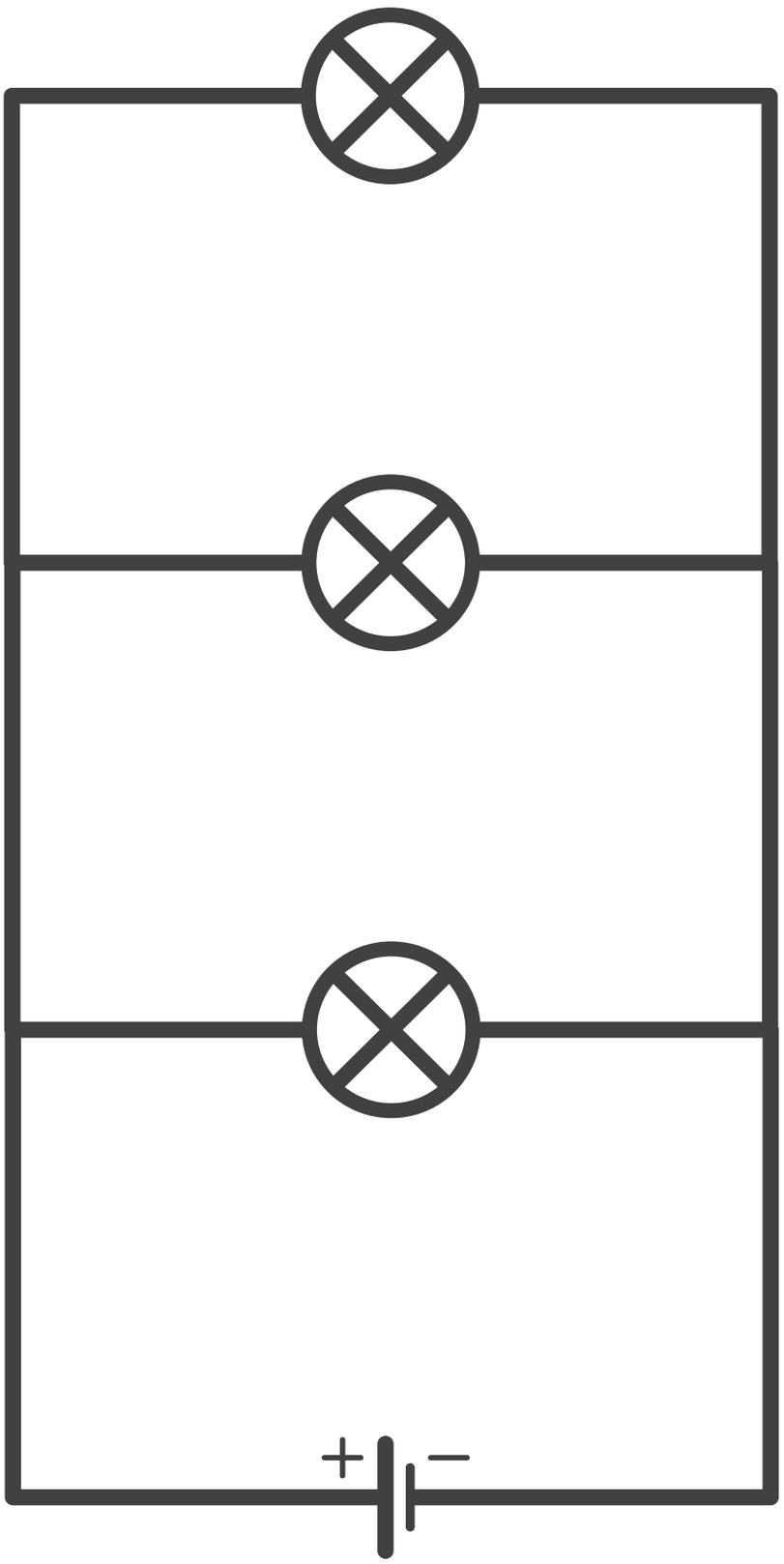
CIRCUIT DIAGRAM OF LIGHT BULBS IN SERIES AND PARALLEL



RESOURCE 26.1

Red sun design/ Shutterstock

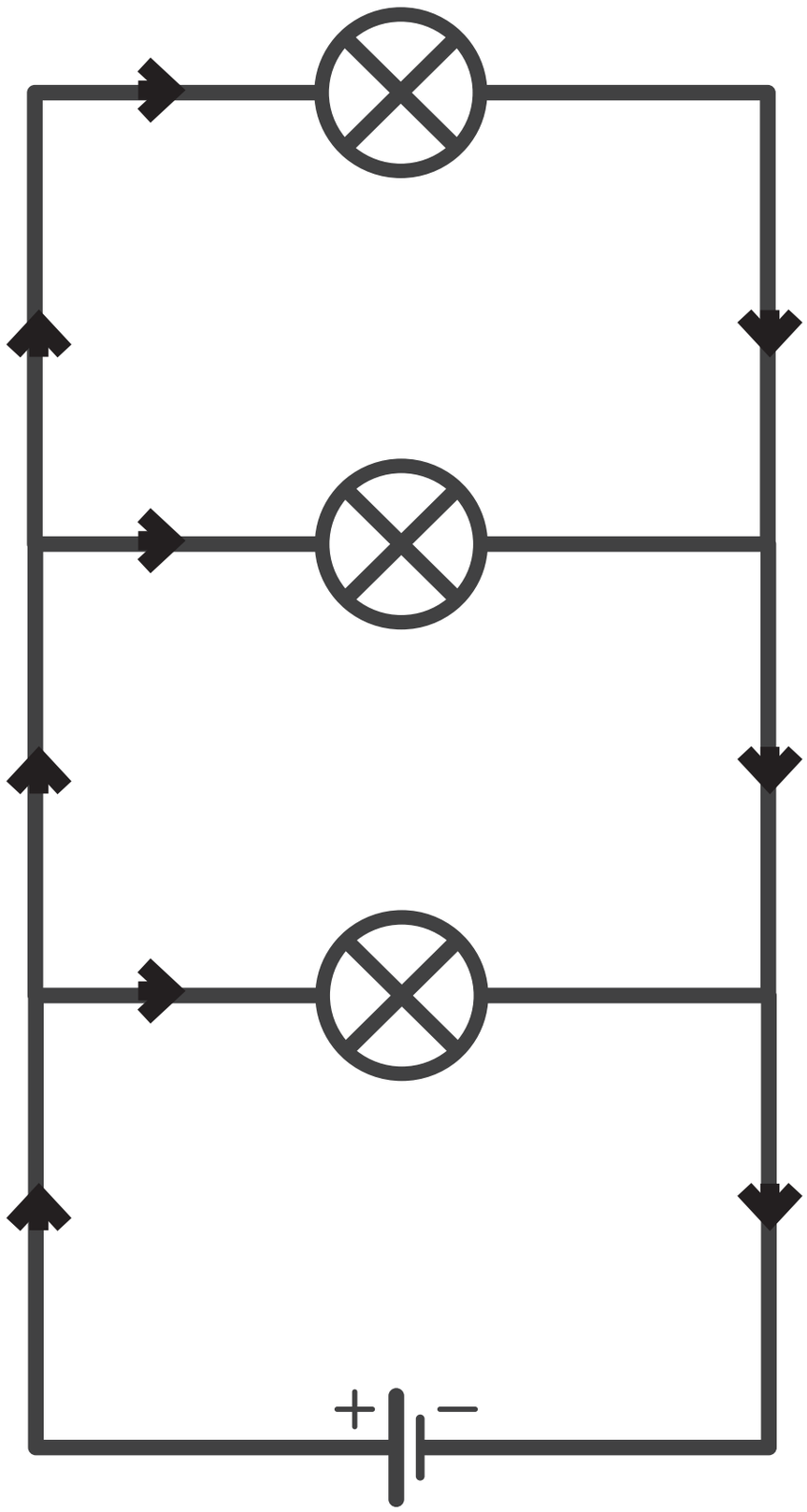
CIRCUIT DIAGRAM OF PARALLEL CIRCUIT



RESOURCE 26.2

Red sun design/ Shutterstock

CIRCUIT DIAGRAM OF PARALLEL CIRCUIT (ANSWER)



RESOURCE 27

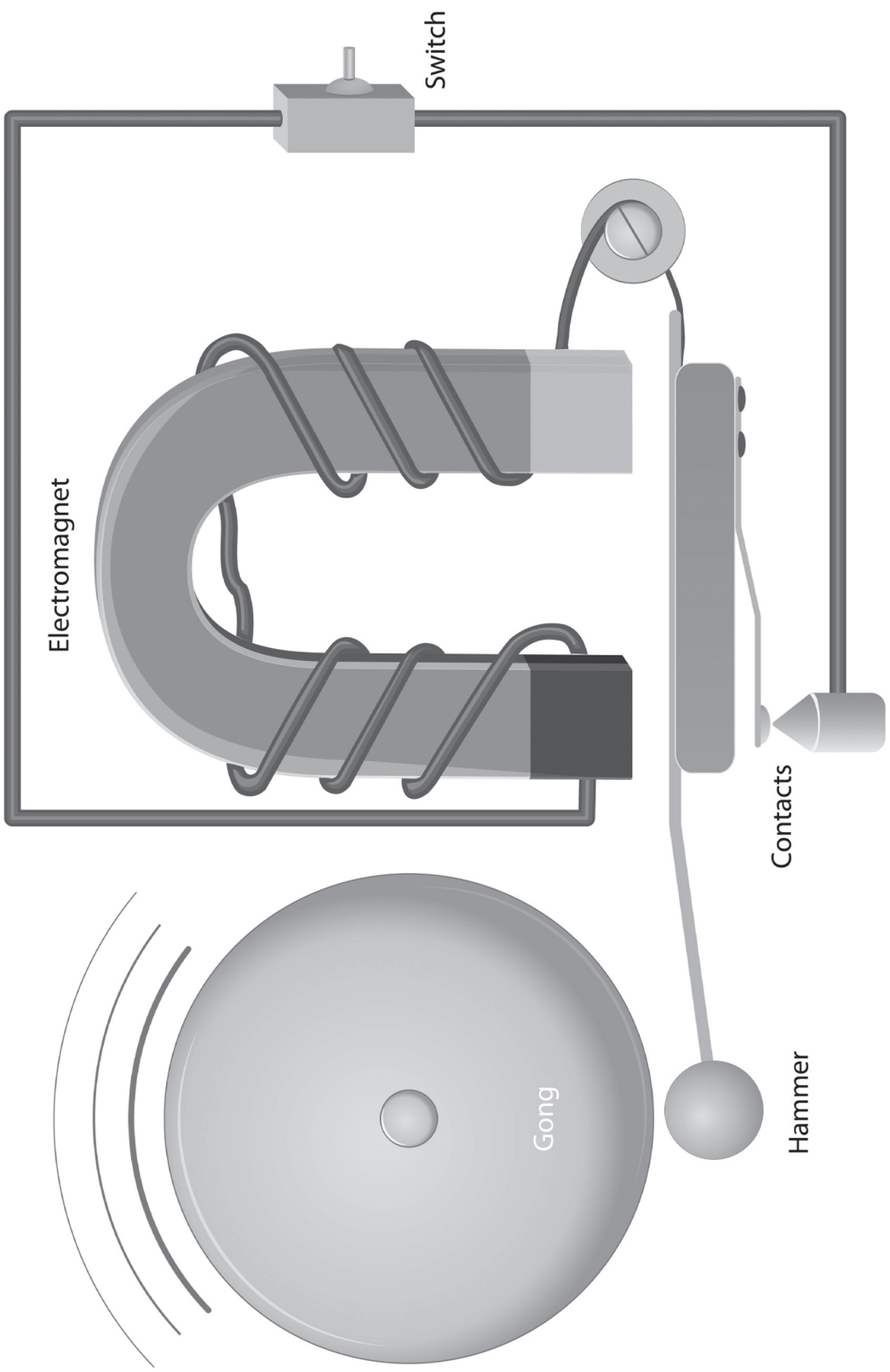
Jan Babak/ Shutterstock

LIGHT EMITTING DIODES

RESOURCE 28

Designua/ Shutterstock

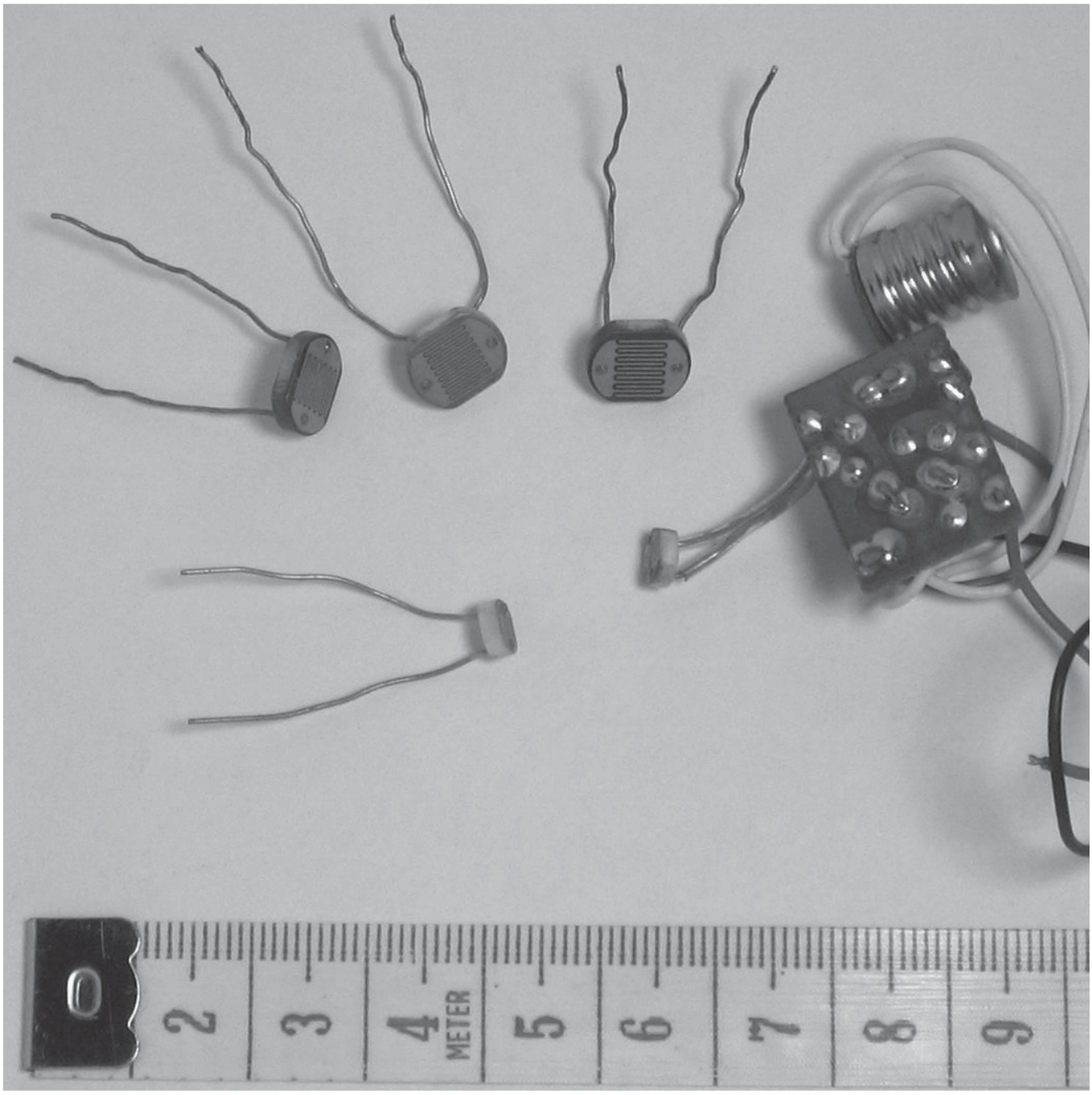
ELECTROMAGNETIC DOOR BELL



RESOURCE 29

(https://upload.wikimedia.org/wikipedia/commons/7/7f/Photocells.jpg)

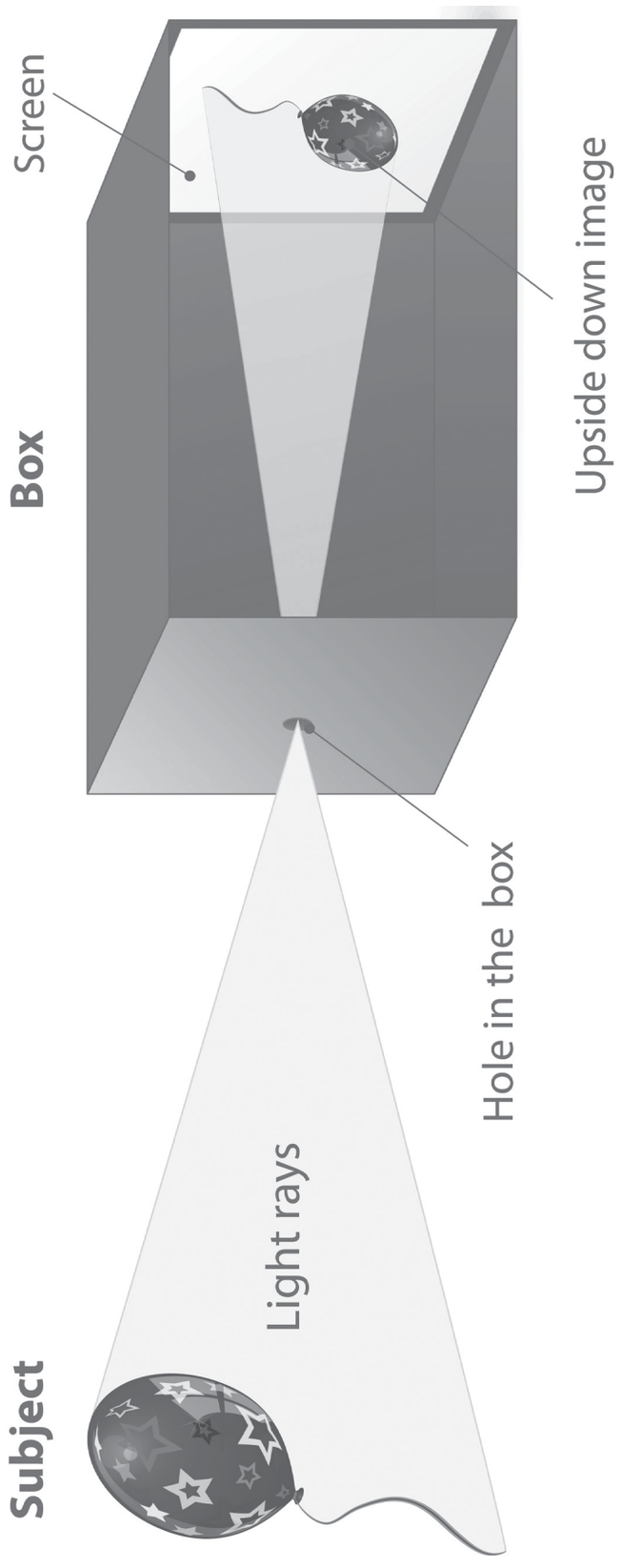
PHOTOCELLS



RESOURCE 30

Designua/ Shutterstock

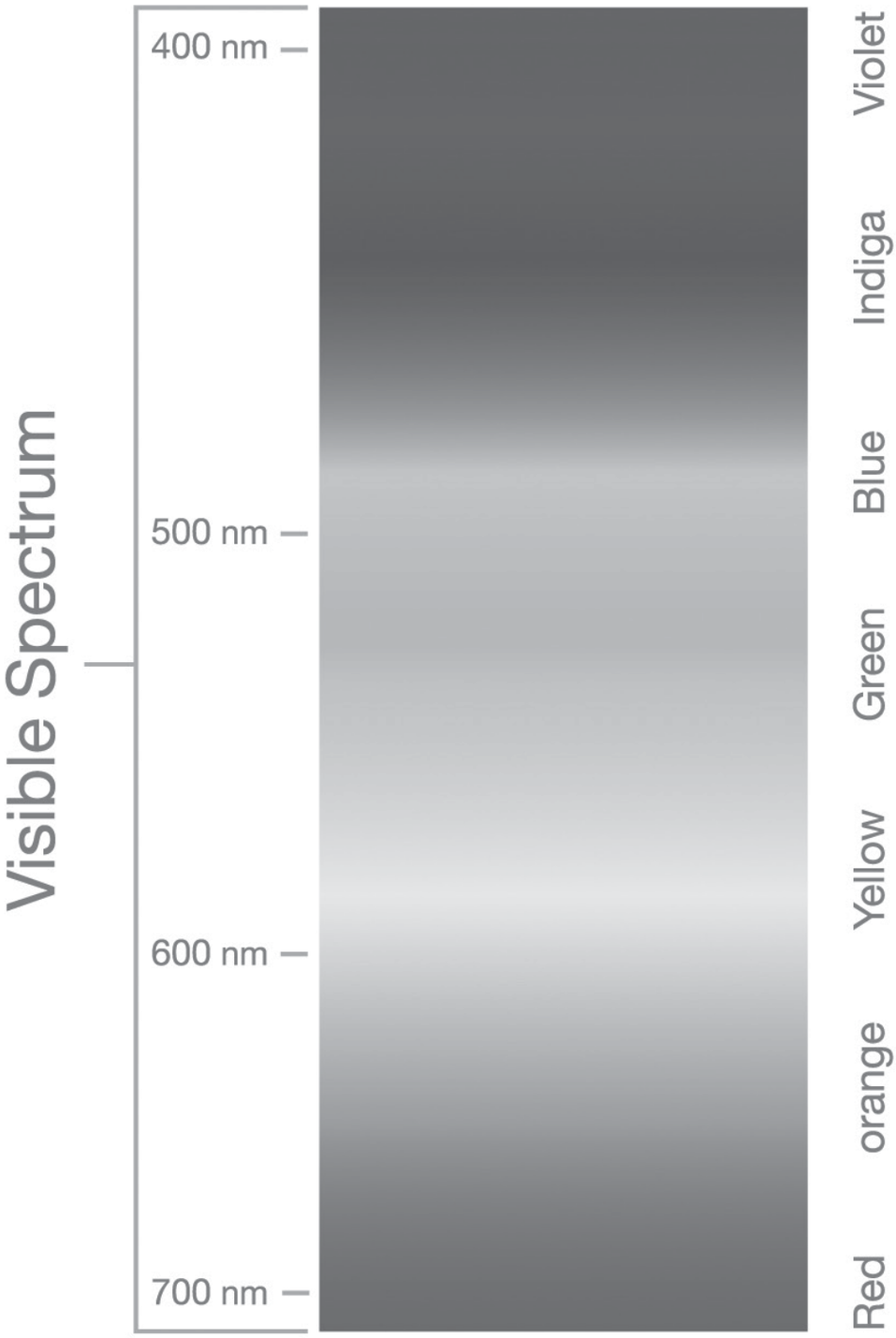
PINHOLE CAMERA



RESOURCE 31

Solar22/ Shutterstock

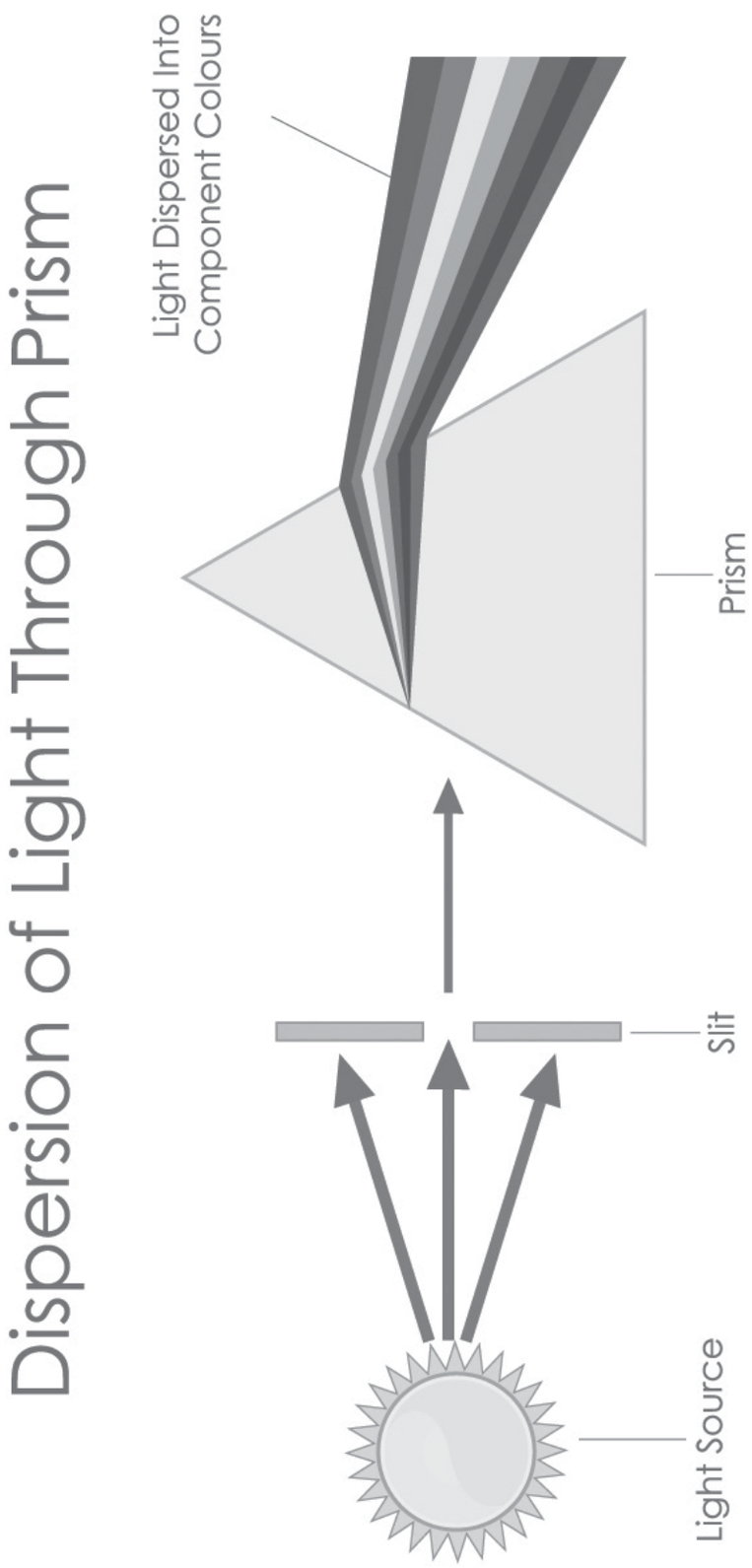
VISIBLE SPECTRUM OF LIGHT



RESOURCE 32

Vecton/ Shutterstock

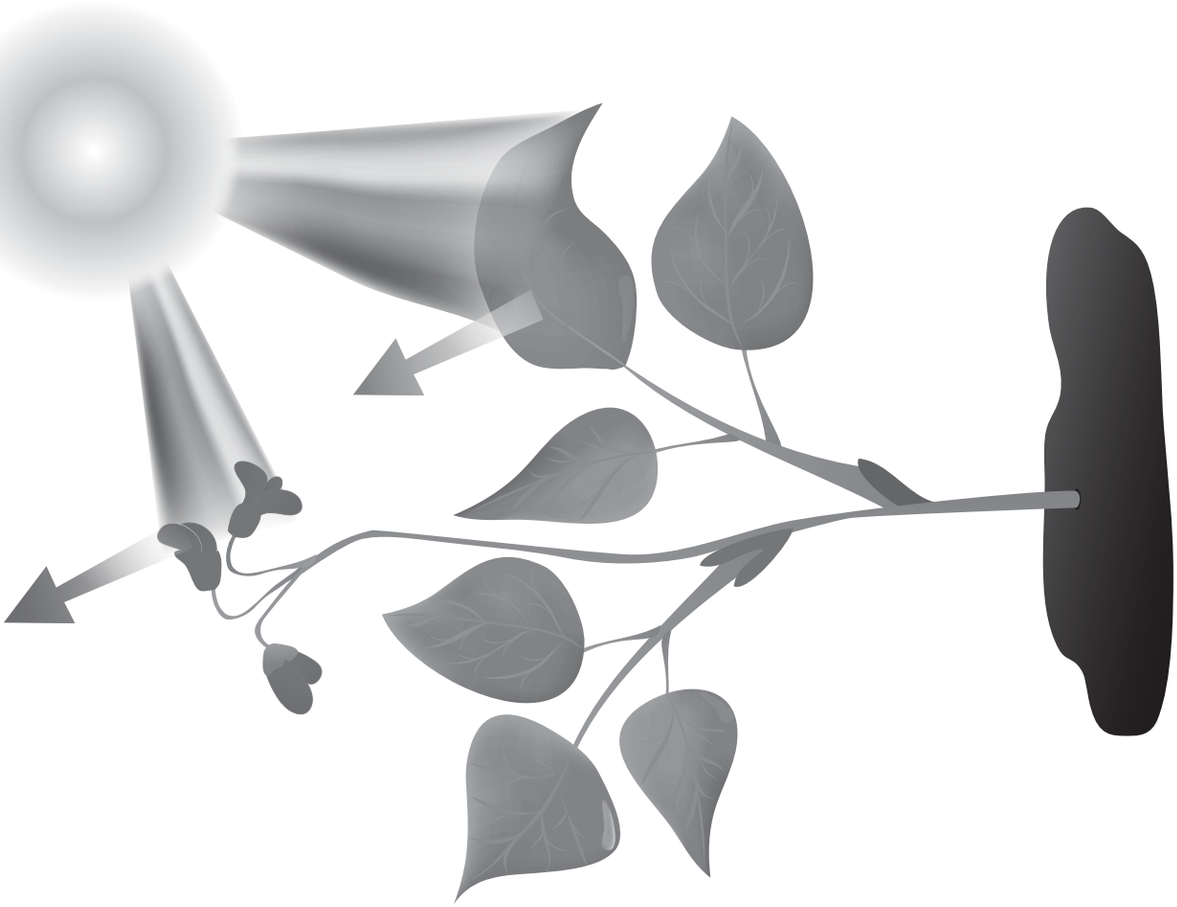
DISPERSION OF LIGHT

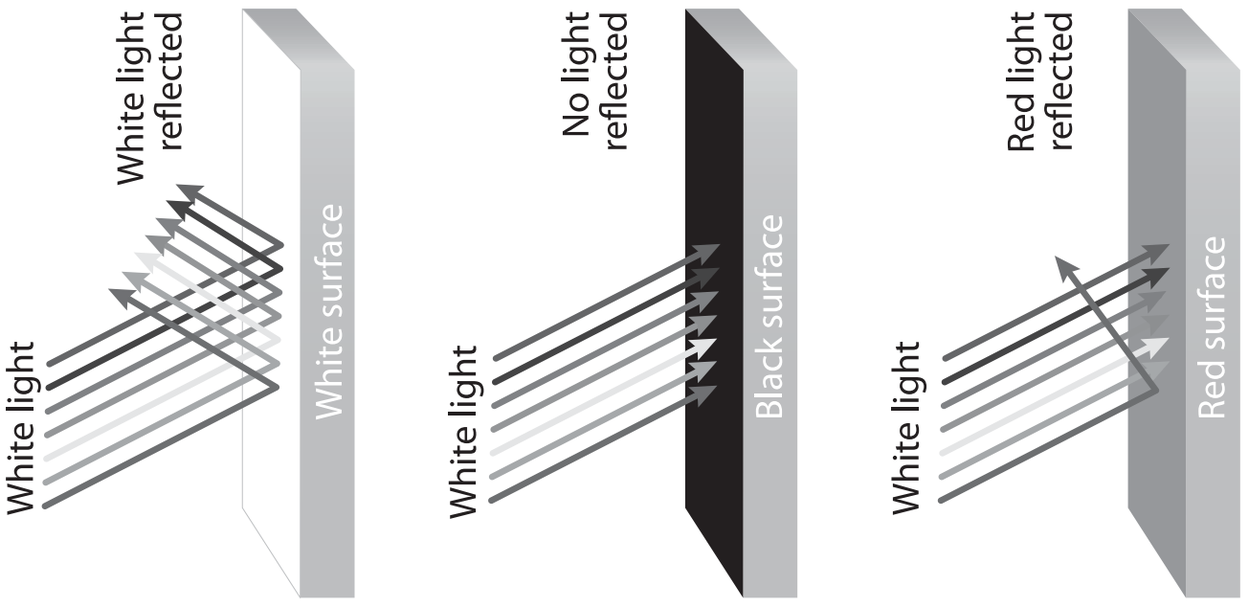


RESOURCE 33

Designua/ Shutterstock

ABSORPTION AND REFLECTION OF LIGHT

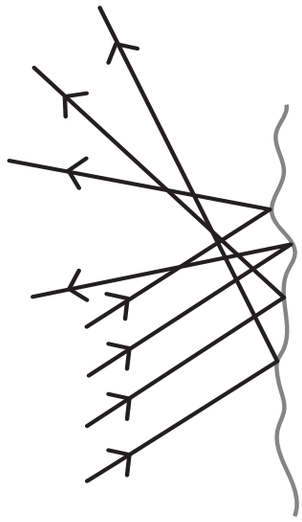




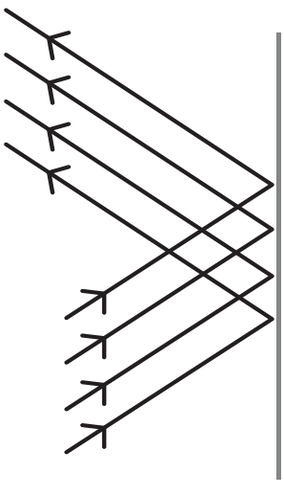
RESOURCE 34

REFLECTION OF LIGHT

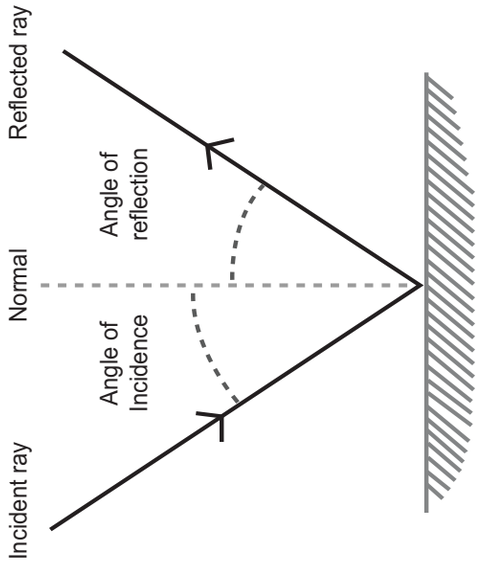
Diffuse reflection



Specular reflection



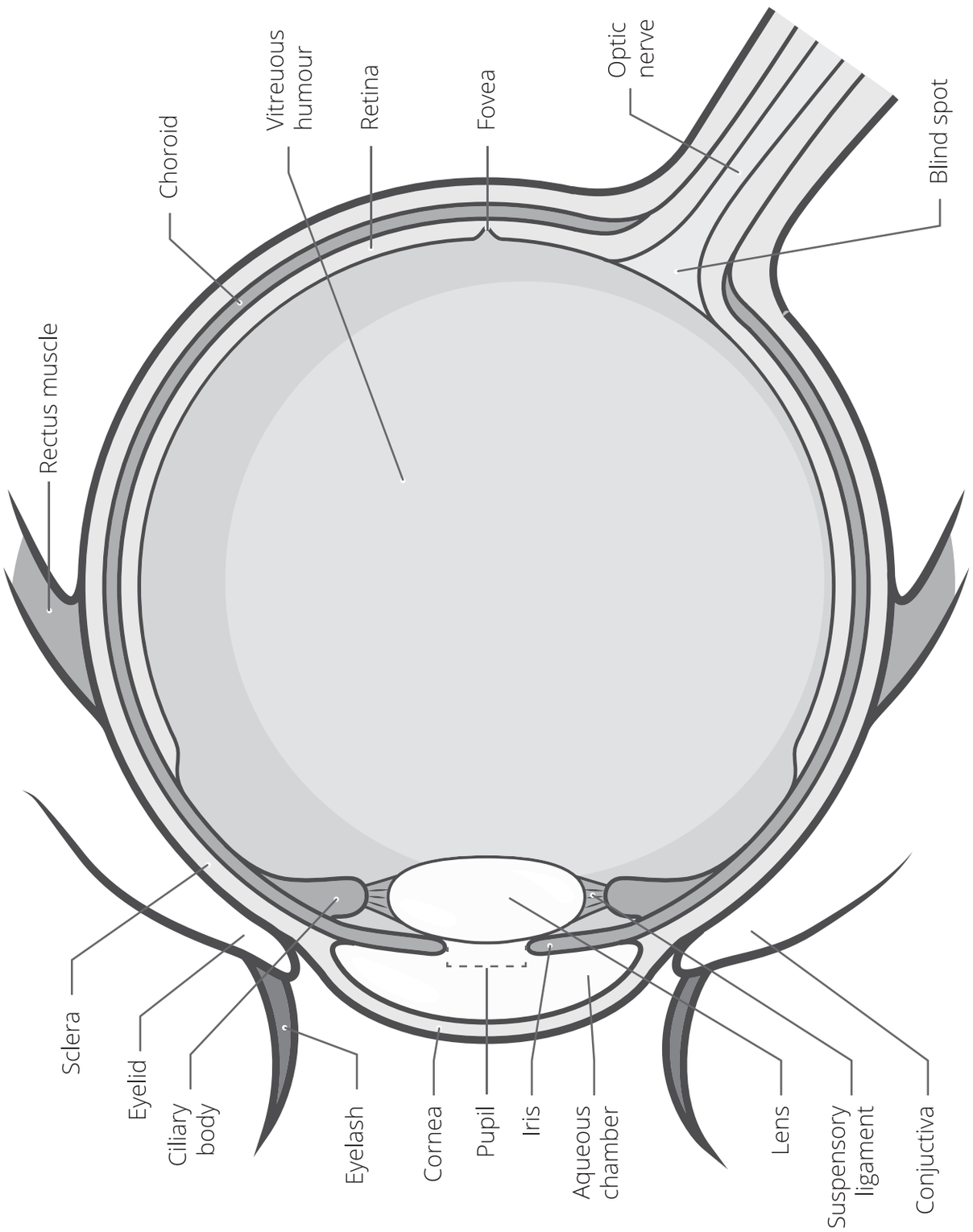
Mirror reflection



RESOURCE 35

Alexander P/ Shutterstock

STRUCTURE OF THE HUMAN EYE



RESOURCE 36

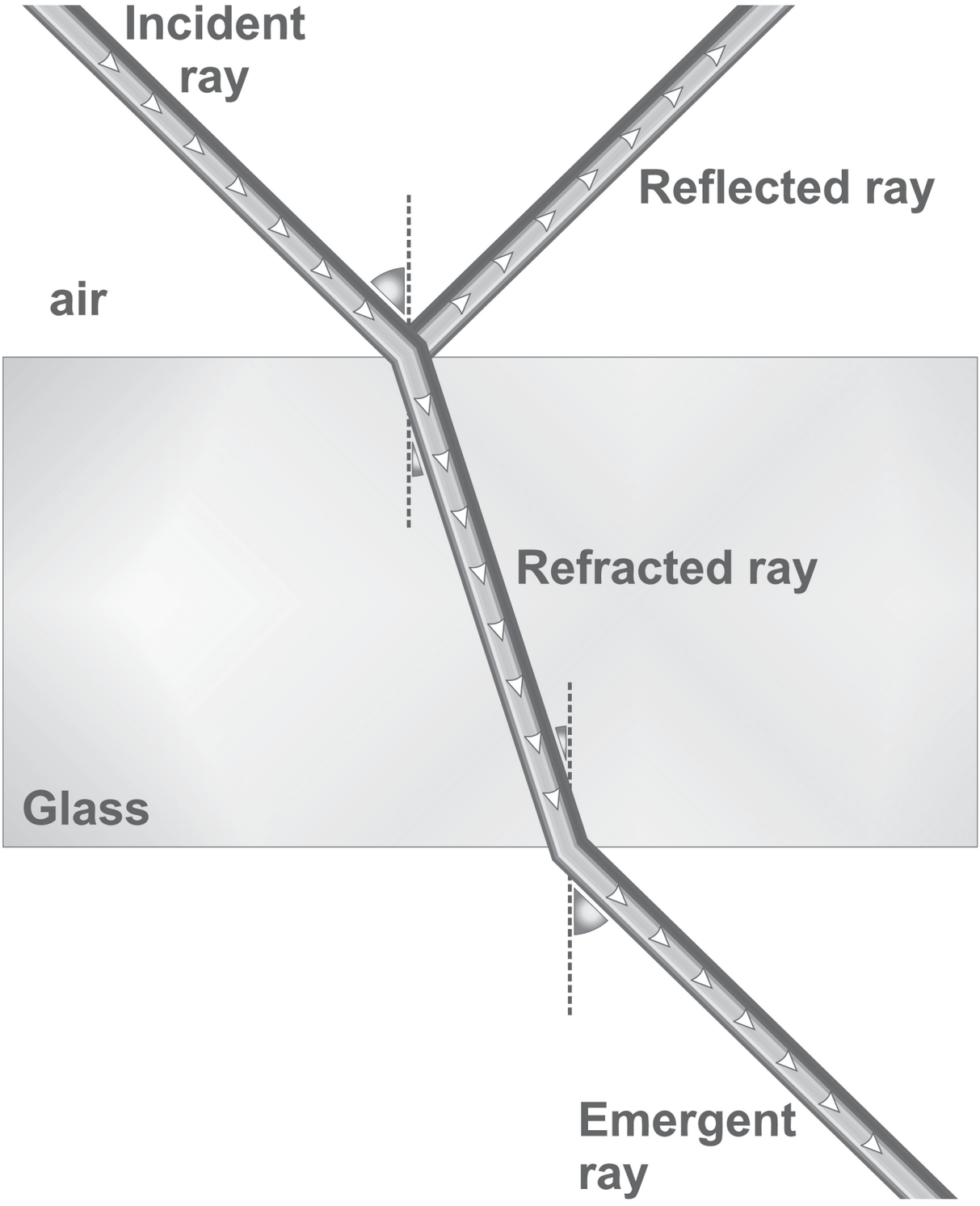
Fancy Tapis/ Shutterstock

REFRACTION OF A PENCIL

RESOURCE 37

Fouad A. Saad/ Shutterstock

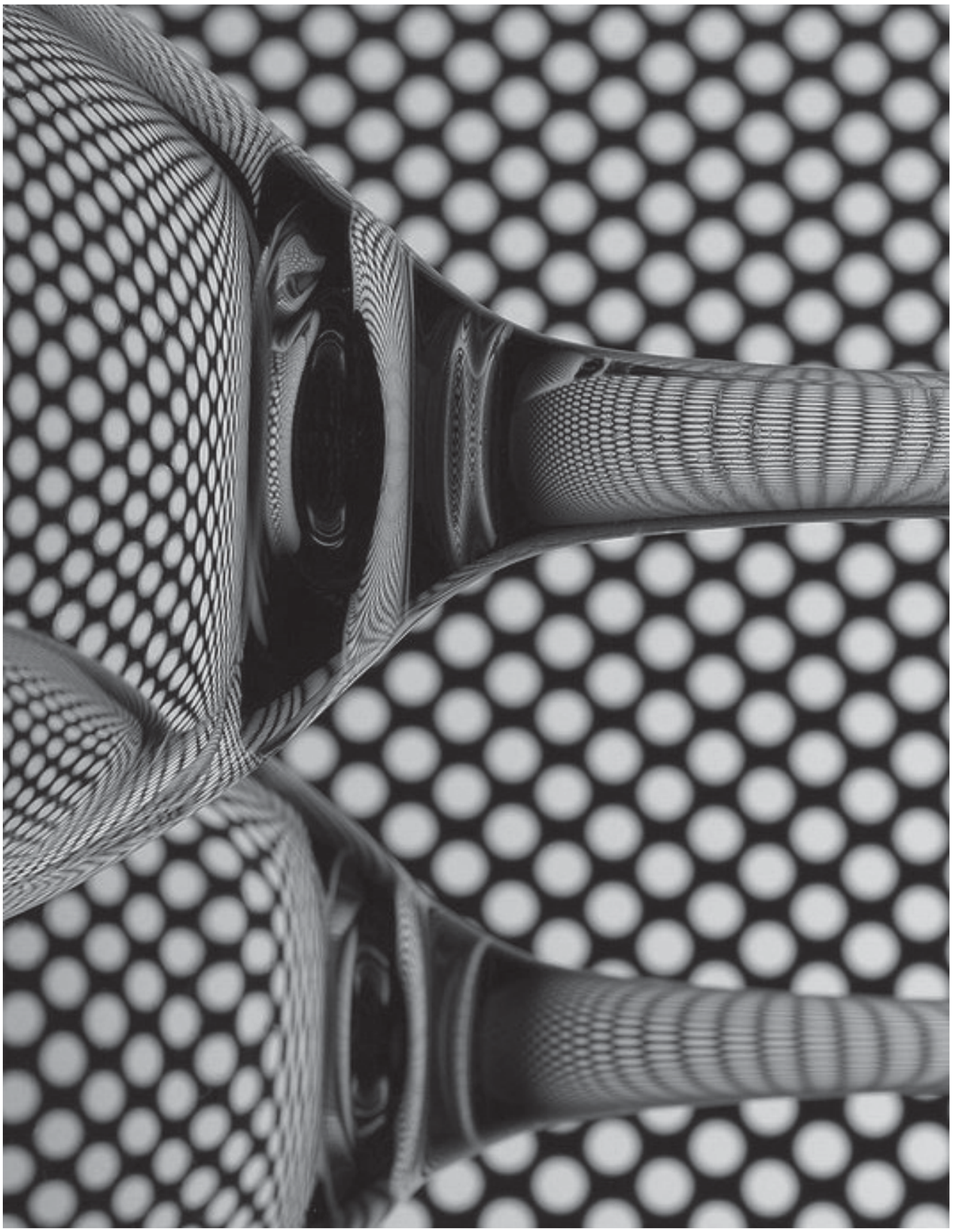
RAY DIAGRAM OF REFRACTION



RESOURCE 38

(https://upload.wikimedia.org/wikipedia/commons/thumb/2/2b/Uniformity.jpg/800px-Uniformity.jpg)

GLASS REFRACTING LIGHT



RESOURCE 39

(https://upload.wikimedia.org/wikipedia/commons/4/4e/Magnifying_glass_with_infinite_focus.png)

MAGNIFYING GLASS REFRACTING LIGHT