

# WORD LIST

## UNIT 1



**n. lawn**

an area of ground that is covered with short grass



**v. pass**

to move past someone or something



**phr. slow down**

to move slower



**v. enter**

to go into a particular place



**v. refract**

to cause light or sound to change direction



**adv. slightly**

a little



**n. position**

the place where something or someone is



**adj. focused**

concentrated

## UNIT 2



**adj. entire**

complete or full



**n. swimming pool**

an artificial area of water for swimming



**v. dive**

to jump into water head-first



**adj. funny**

causing laughter



**n. refraction**

light or sound changing direction



**n. brain**

the organ inside the head that controls thought, memory, etc.



**n. line**

a long, thin mark on the surface of something



**phr. come in**

to enter a place

## UNIT 3



**adj. certain**  
particular but not named



**v. apply**  
to cause force, pressure, etc. to have an effect



**n. plunger**  
a part of a device that you push down into the device



**adv. lightly**  
gently



**n. change**  
the act of becoming different



**v. repeat**  
to make or do something again



**phr. base on**  
to use particular facts or ideas to develop something



**phr. no matter**  
used to say that something is not important

### EXTRA WORDS



**n. lump**  
a small mass

## UNIT 4



**v. pack**  
to put things into a bag, box, etc.



**n. chip**  
a thin slice of potato that is fried



**phr. in case**  
because of the possibility of something happening



**adj. proud**  
feeling satisfied about something



**v. swell**  
to become larger than normal



**v. burst**  
to break open or apart suddenly



**adj. inflated**  
filled and made larger with air or gas



**adj. suspicious**  
feeling doubt or no trust

### EXTRA WORDS



**n. troposphere**  
the layer of Earth's atmosphere up to a height of about 10 km



**n. stratosphere**  
the layer of Earth's atmosphere between 15 and 50 km above Earth

# WORD LIST

## UNIT 5



**n. lens**

a curved piece of glass or plastic that makes objects seem closer, smaller, etc.



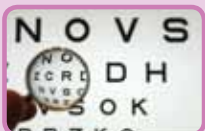
**v. bend**

to curve



**adj. convex**

curving outward



**adj. concave**

curving inward



**phr. on the other hand**

in a way that is different from the first thing mentioned



**adj. transparent**

able to be seen through



**n. laser pointer**

a small device with a light that produces a narrow beam



**n. beam**

a line of light

## UNIT 6



**n. observatory**

a building which scientists study and watch the stars



**n. space**

the area where the planets and the stars are



**n. telescope**

a device that you look through to see things that are far away



**v. explain**

to make something easy to understand



**v. gather**

to bring together into a group



**phr. in detail**

more clearly, so that even the small parts can be seen



**n. binoculars**

a device that you hold up to your eyes and look through to see things that are far away



**n. microscope**

a device used for producing a large view of very small objects

## EXTRA WORDS



**n. magnifying glass**

a curved glass that makes things look larger



**n. guardian**

a person who looks after someone

## EXTRA WORDS



**n. peephole**

a small hole in a door through which you can look

## UNIT 7



**n. electricity**  
energy that is used to operate machines, lights, etc.



**adj. electrical**  
relating to electricity



**n. circuit**  
the complete path that an electric current travels along



**n. electric current**  
a flow of electric charge in a circuit



**n. wire**  
a thin, flexible thread of metal



**v. connect**  
to join together



**n. conductor**  
a material that allows electricity to move through it



**adj. complete**  
with all parts

## EXTRA WORDS



**n. component**  
one of the parts of something

## UNIT 8



**phr. get ready**  
to prepare



**n. thread**  
a long, thin piece of cotton, silk, etc.



**phr. light up**  
to begin shining



**v. join**  
to put or bring together



**v. conduct**  
to allow electricity or heat to go through



**adj. positive**  
containing a larger amount of protons



**adj. negative**  
containing a larger amount of electrons



**adv. already**  
happening earlier

# WORD LIST

## UNIT 9



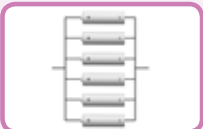
**n. series**

an electrical circuit in which the current passes through one part of the circuit after another



**n. connection**

something that connects two or more things



**n. parallel**

an electrical circuit in which the electric current passes through two or more branches



**adj. remaining**

left over after a part has been used



**n. brightness**

the condition of being bright



**n. voltage**

the force of an electric current



**adj. strong**

powerful



**v. last**

to continue to exist

## UNIT 10



**n. heater**

a device that produces heat



**v. run**

to operate



**v. plug**

to attach electrical equipment to a supply of electricity



**n. outlet**

a device into which a cord can be plugged to connect a device to electricity



**v. throw**

to send something through the air with force



**n. grocery store**

a store that sells food and household supplies



**n. electronics**

devices that require electricity to work



**v. overheat**

to become hotter than necessary



## UNIT 11



**n. daytime**  
the time of the day when the sky is lit up by the sun



**n. sea breeze**  
a wind that blows from the sea toward the land



**n. land breeze**  
a wind that blows from the land toward the sea



**n. lamp**  
a device that produces light



**adj. heated**  
made hot or warm



**n. movement**  
a change of position



**phr. heat up**  
to make something warm or hot



**v. create**  
to make or produce

## UNIT 12



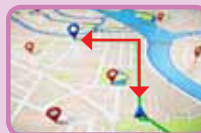
**phr. take a trip**  
to make a journey



**n. kite**  
a frame covered with cloth or plastic that you fly in the air



**prep. above**  
in a higher position than something else



**phr. from A to B**  
from one place to another



**phr. check out**  
to find out if something is true



**n. dinner**  
the main meal of the day eaten in the evening



**phr. go out**  
to leave a building for an activity



**n. flow**  
the movement of something in one direction

## EXTRA WORDS



**n. balance**  
an even distribution of weight

# WORD LIST

## UNIT 13



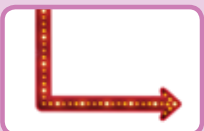
**v. differ**  
to be unlike something else



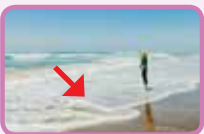
**n. season**  
one of the four periods of the year: spring, summer, fall, or winter



**adj. steep**  
rising or falling at a sharp angle



**n. angle**  
the space between two lines at the point at which they touch each other



**adj. shallow**  
having a short distance from the top to the bottom



**adv. once**  
one single time

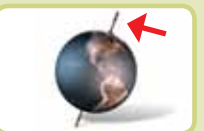


**n. heat energy**  
energy produced by the movement of atoms and molecules



**v. rise**  
to move upward

## EXTRA WORDS



**n. axis**  
the imaginary straight line that something turns around



**n. hemisphere**  
a half of the earth, especially divided by the equator

## UNIT 14



**v. set**  
to go down below the horizon



**adj. bright**  
full of light



**n. solar altitude**  
the angle of the sun relative to Earth's horizon



**prep. during**  
from the beginning to the end of a particular period



**phr. at an angle**  
not horizontal or vertical, but sloping in one direction; tilted



**v. revolve**  
to move around a central point or line



**n. maximum**  
the largest amount possible



**n. minimum**  
the smallest amount possible

## EXTRA WORDS



**n. precipitation**  
water that falls to the ground as rain, snow, etc.

## UNIT 15



**v. imagine**

to think in your mind



**n. coal**

a black hard substance that is used as a fuel



**n. climate change**

changes in the world's weather as a result of human activity



**adj. solar**

of or from the sun



**adj. effective**

achieving the results that you want



**v. plan**

to think about and arrange what you are going to do



**v. implement**

to start using a plan or system



**adj. essential**

necessary or needed

## EXTRA WORDS



**n. inverter**

a device that changes direct current to alternating current



**n. breaker box**

a device that controls and distributes the supply of power

## UNIT 16



**n. website**

a set of pages on the Internet about a particular subject



**v. crash**

to stop operating



**v. manage**

to succeed in dealing with something



**v. scroll**

to move text or images up or down on a computer screen



**phr. sell out**

to sell the entire amount of something



**adj. annoying**

making you feel slightly angry



**adj. technical**

relating to the knowledge or machines used in science and industry



**v. load**

to fully display the page of a website