

# Computers All Around Us



Desktop computers



Tablets



Smartphones

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# Electronic Devices

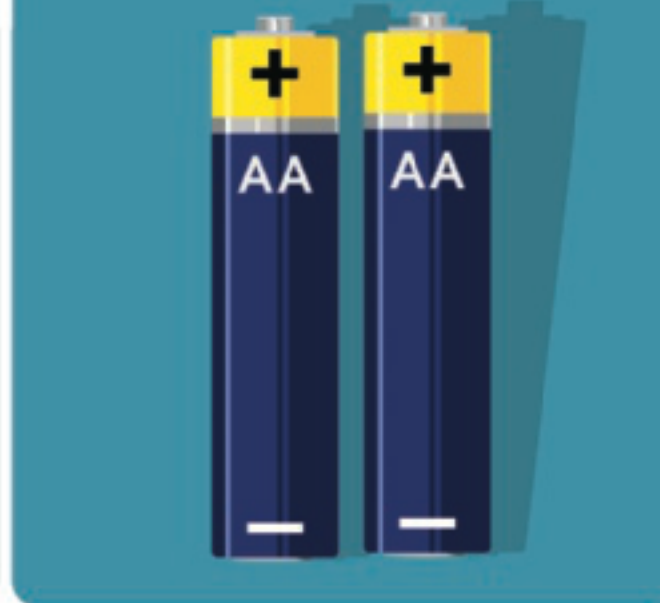
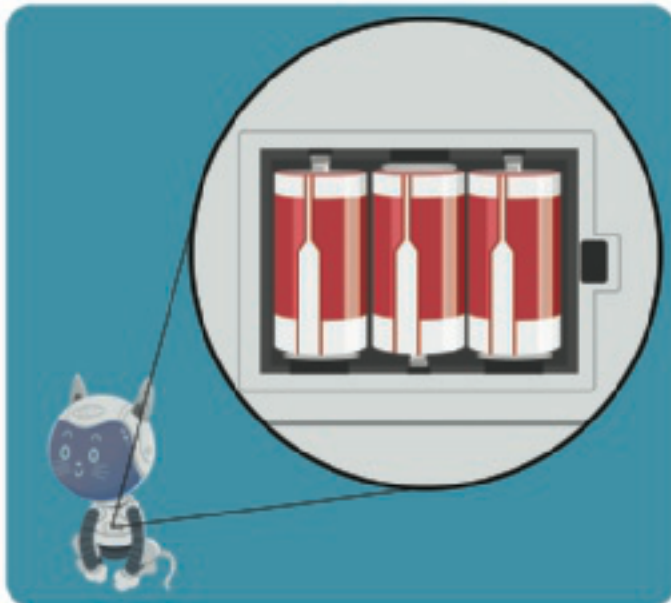
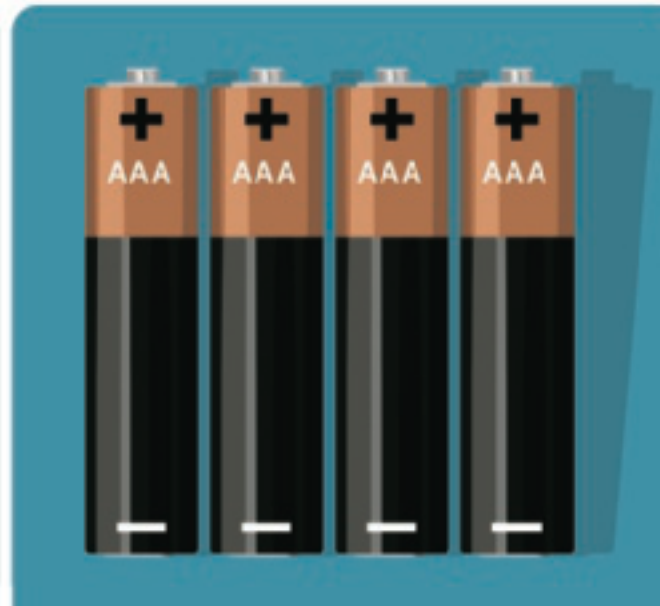
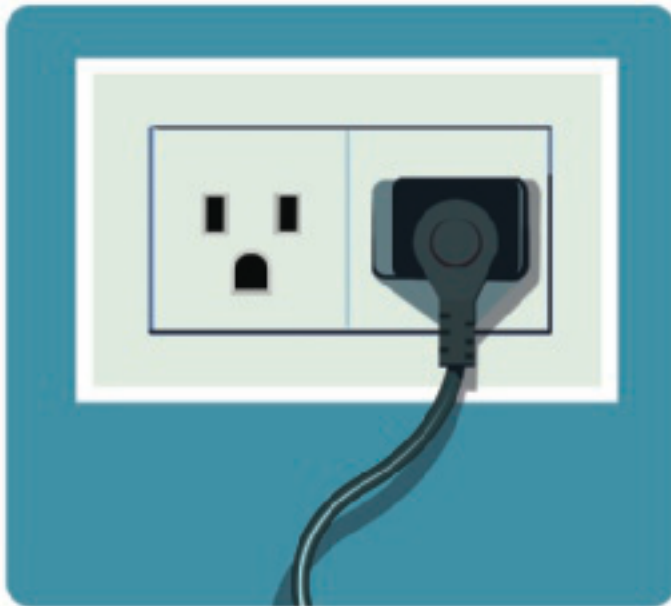
There was a storm today.

The electricity went out at Hanna's home.

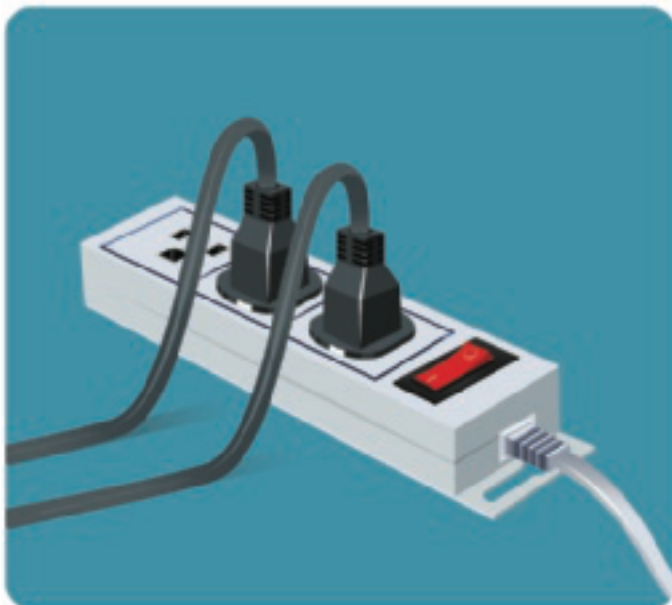
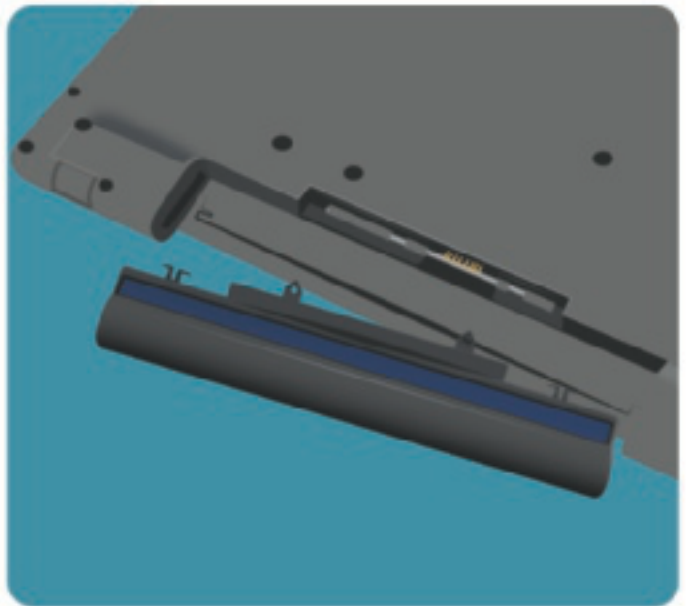
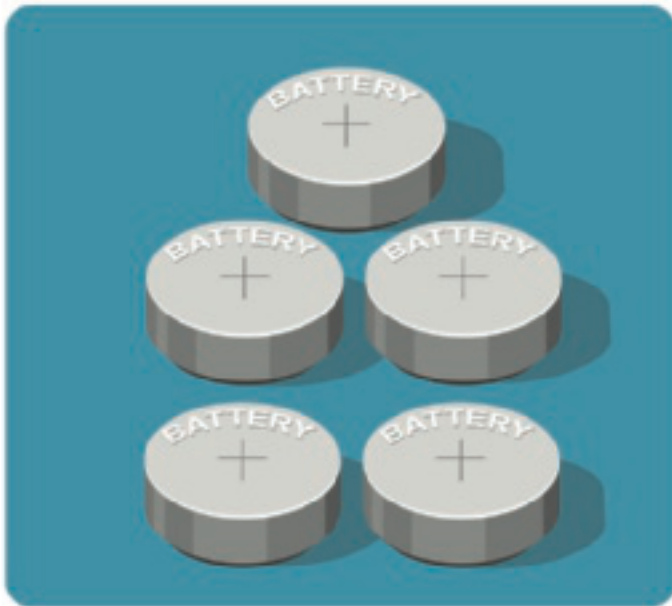
Now she cannot play her TV video game.

Instead, Hanna will do a hunt in her home.

She looks for things that need electric power to work.



Hanna looks for devices that turn on and off.  
Some of the devices are plugged into wall outlets.  
Those things do not work when the power is out.  
But other devices still work with the power out.  
Those devices get their power from batteries.  
You might not see the batteries.



Lamps and fans only turn on and off.

Some devices do more than turn on and off.

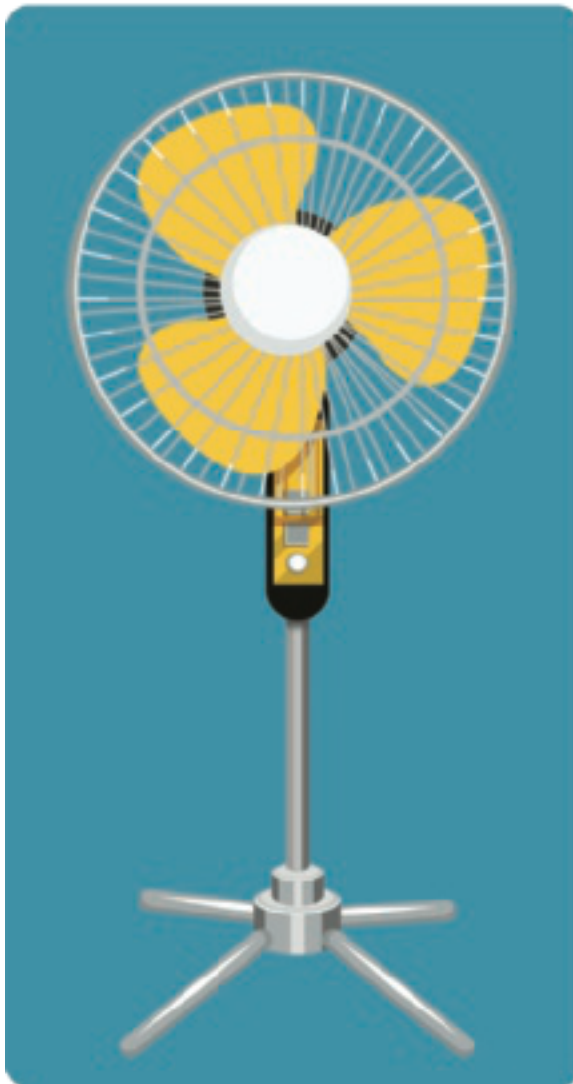
Calculators turn on and off.

But calculators can do more too.

A person can put numbers into a calculator.

The calculator adds the numbers.

It then tells the answer.



A calculator is one type of electronic device.  
Electronic devices can do many things.  
People can push buttons on a device.  
The buttons tell the device what to do.  
Then the device does a job.





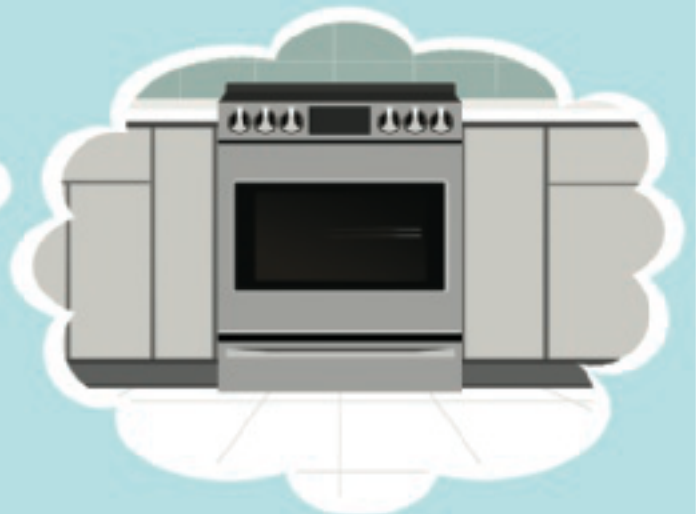
Hanna looks for electronic devices in each room.



Her electric  
toothbrush is in  
the bathroom.



A toy train is in her bedroom.



She sees an oven in the kitchen.



She sees her  
sister's computer.



Her dad is using a flashlight.



And her mom is looking at her phone.

The next day Hanna goes to school.  
She keeps looking for electronic devices.



The teacher uses a remote control.  
It turns on the projector.



Students use tablets.



Hanna goes to the library.



The listening center plays music and stories. Students listen with headphones.



In the music room, Hanna finds speakers.



In the art room, her teacher takes pictures with a camera.



Her music teacher uses a microphone.

## Computers

Hanna uses a computer at school.

The computer is on a desk.

It stays in one place.

It is called a desktop computer.



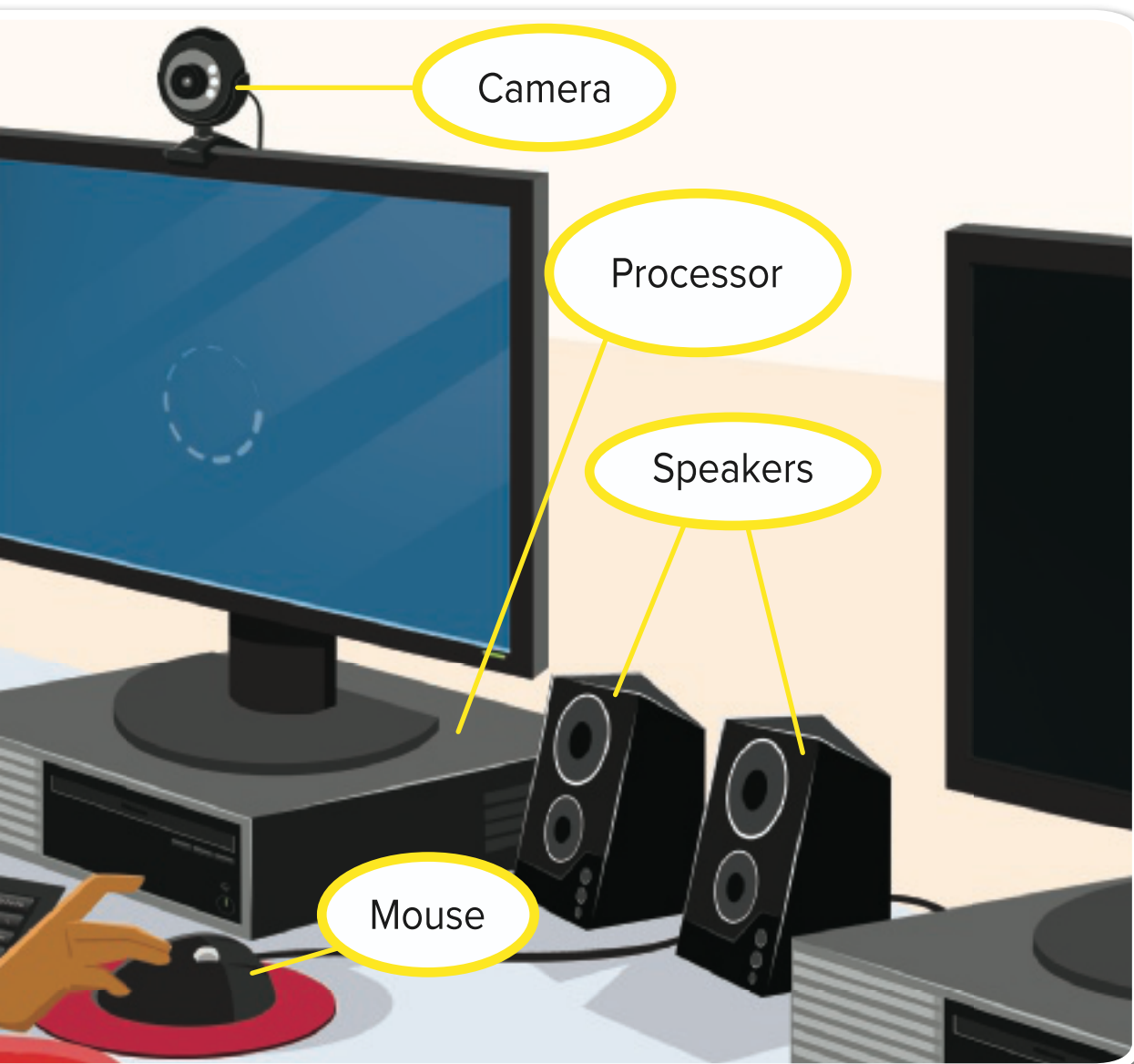
A computer is a kind of electronic device.  
You can put information into it by clicking or typing.  
The information tells the computer what to do.  
Computers can be used to do many things.



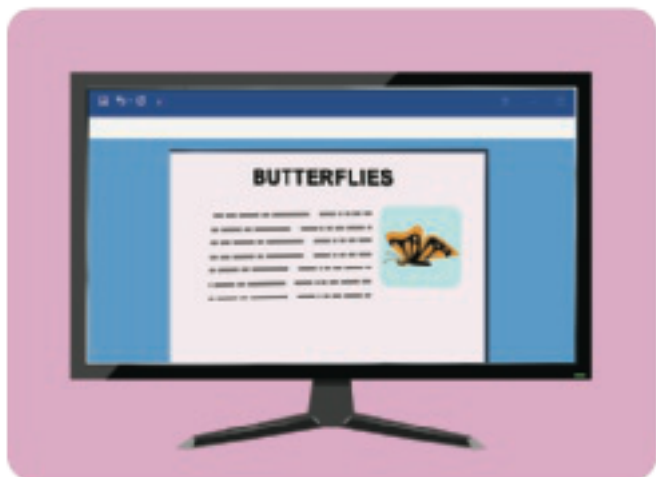
A computer has many parts.  
Some parts you can see.  
You can see a monitor and speakers.  
You can see a keyboard and a mouse.  
Other parts you cannot see.  
You cannot see the processor.



The processor makes a computer work.  
It is inside the computer box.  
The box has a button to turn the computer on.  
It also has slots to plug cords into.  
Some monitors have cameras.  
Printers can be used with computers.  
Headphones can be used, too.



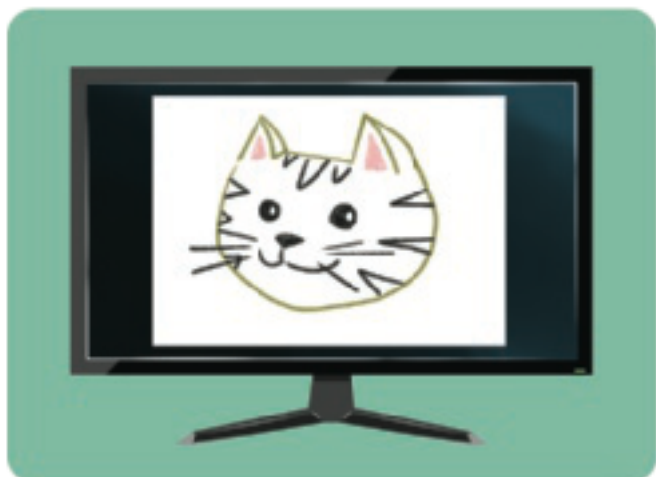
Computers can do different things.



You can type words on a computer.



You can watch videos and listen to sounds.



You can make pictures.



You can play games.



Words and pictures are information.

You can save your information on a computer.



You can send information to another computer.



You can print information on paper.

## Laptops

You can carry some computers with you.

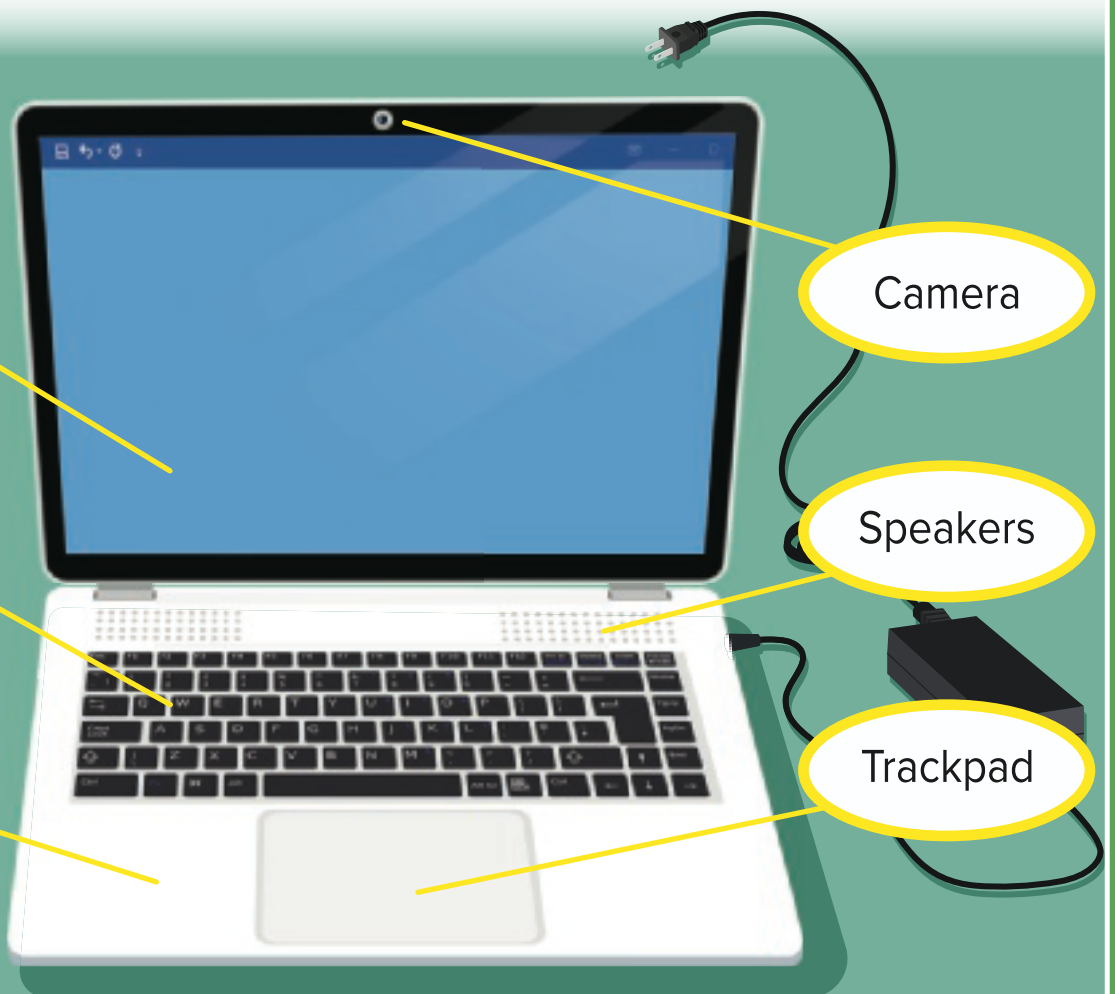
Those are called laptop computers.

They are also called notebooks.

Laptop computers use batteries for power.

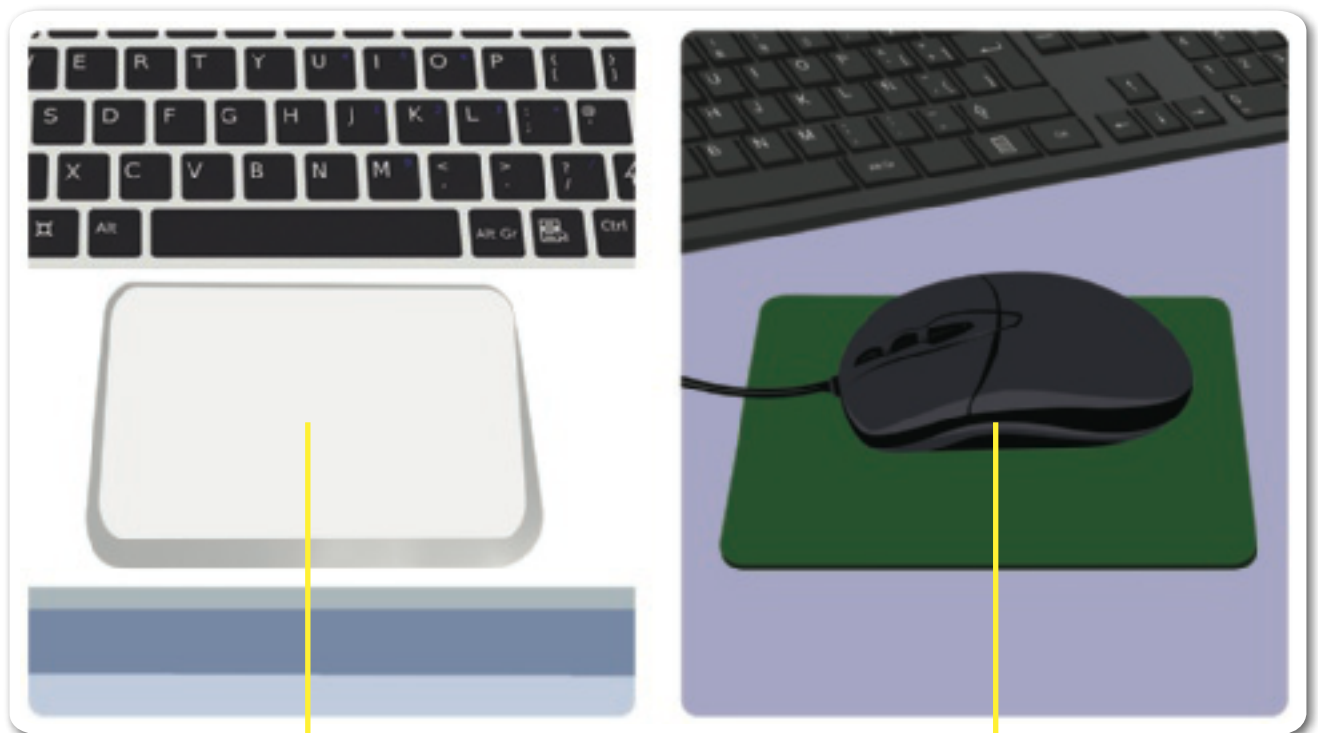
The batteries can be recharged.

You plug in the laptop when the battery needs to be charged.





Laptop computers have parts like desktop computers.  
Most of the parts have the same names.  
A laptop has a keyboard and a monitor.  
But a laptop has a different part called a trackpad.  
The trackpad does the same job as a mouse.  
You can use a mouse with a laptop too.



Trackpad

Mouse

Computers use programs to do different tasks.

Programs are also called applications.

*App* is a short name for application.

A computer can have many apps.

Small pictures show the apps on the monitor.

These small pictures are called icons.

Clicking on an icon tells the laptop to make the app work.



Here are some examples:

Clicking the smile icon shows the photos on the laptop.

The paper icon opens a program for typing words.

The printer icon has the computer send information to the printer.

The printer prints the information on paper.



## Tablets

A tablet is a small computer.

It is movable like a laptop.

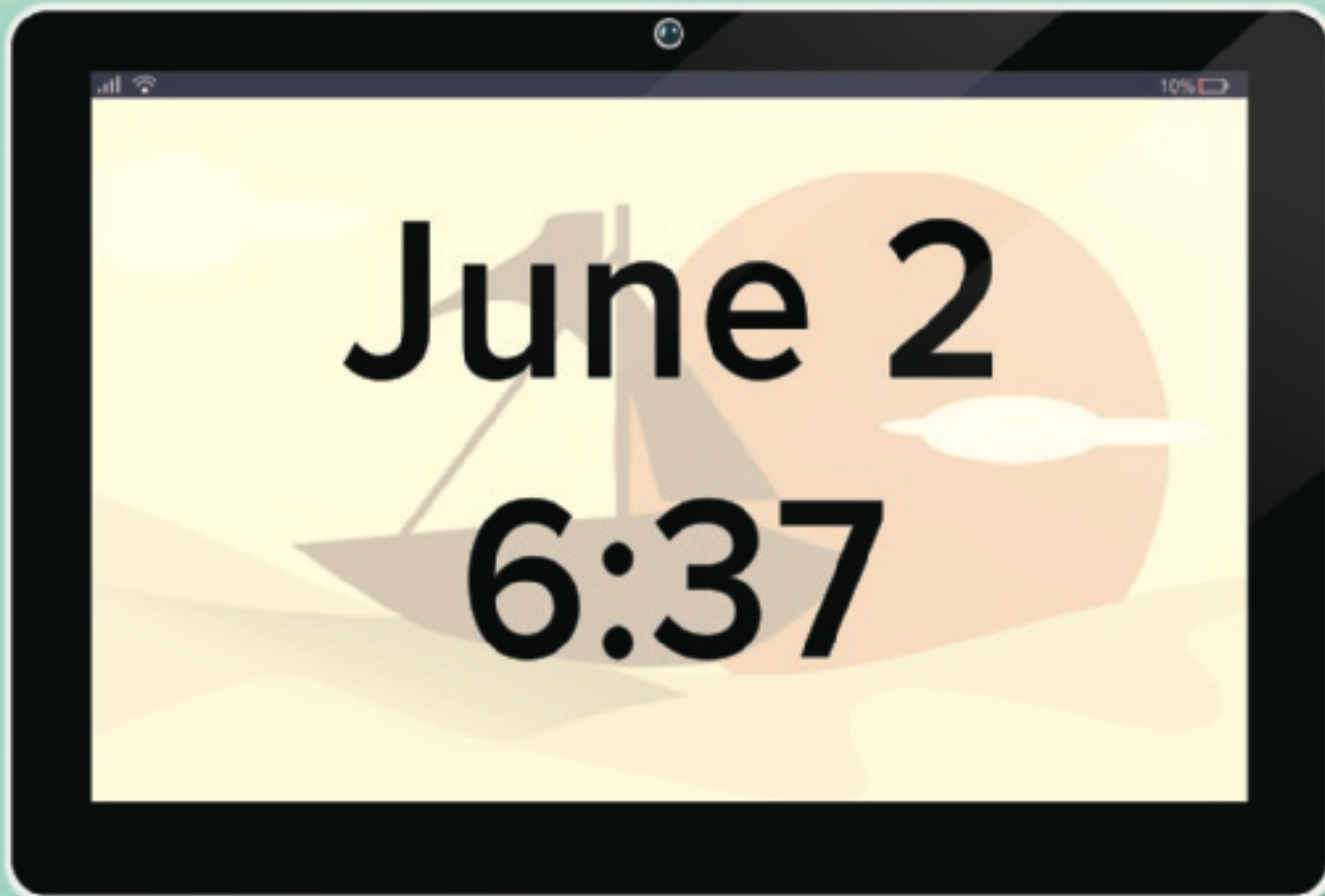
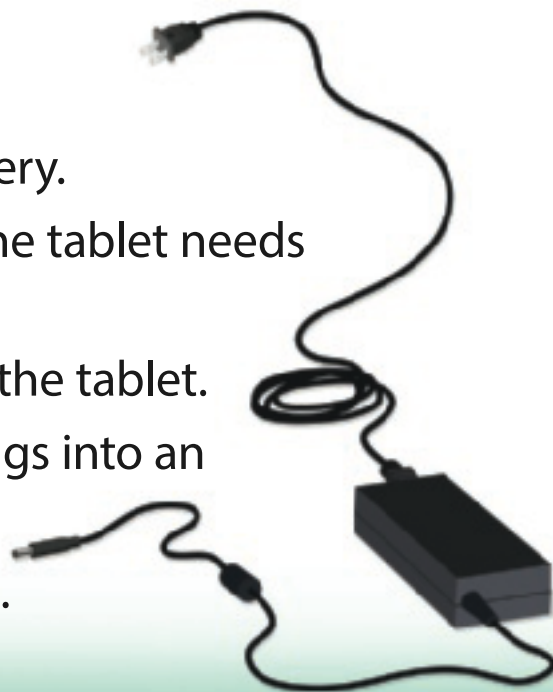
A tablet is powered by a battery.

When the battery gets low, the tablet needs a charge.

One end of a cord plugs into the tablet.

The other end of the cord plugs into an electrical outlet.

The battery charges up again.



Tablets do not have a mouse or a trackpad.

They have touchscreens.

You touch the screen to tell the tablet what to do.

The touchscreen can display a keyboard.

A tablet does not need a separate keyboard.

But a tablet can work with a keyboard if you want it to.



You can play games on a tablet.

Most tablets have a camera so you can take pictures.

You can listen to music on a tablet.

You can watch videos.

You can also type and send messages from a tablet.

Desktop computers, laptops, and tablets all use apps.

There are many kinds of apps.





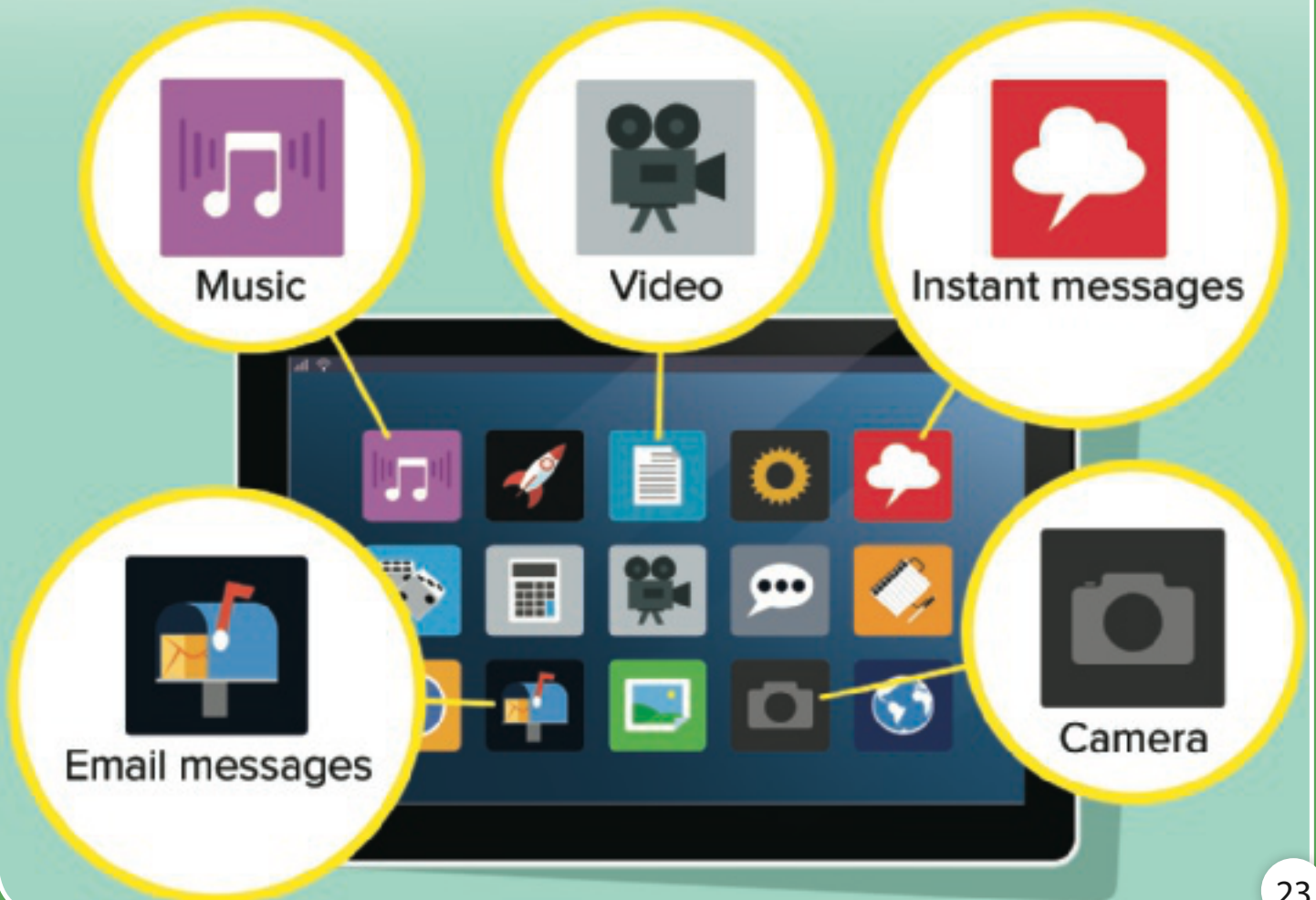
Apps do all kinds of things.

Some apps can be put on the tablet and used any time.

Other apps only work when the tablet is online.

*Online* means connected to the internet.

The internet is a system that connects computers all over the world.



# Smartphones

Cell phones are mobile devices.

Mobile means they can be carried around easily.

Cell phones that can do computer tasks are called smartphones.

Smartphones are smaller than tablets.

Most of them can fit in a pocket.

They can work almost anywhere.

Smartphones get power from batteries.

Plugging in the phone charges the battery.





You can call people on a smartphone.

They can call you too.

You can hear each other's voices.

You can also have video calls.

Then you can see each other while talking.

The person you talk to on a smartphone can be very far away.



You can use a smartphone like a small tablet computer.  
Smartphones have touchscreens and use apps.  
They also have cameras.  
You can use a smartphone to take pictures and videos.



Smartphones use many of the same apps as tablets.  
You can play games on a smartphone.  
You can watch videos and listen to music.  
An alarm clock app helps people wake up on time.  
A calendar app helps people keep track of things to do.  
Many people take smartphones in their cars.  
A map app is useful for drivers.  
It gives directions to help drivers find their way to places.



## Connected Computers

Computer devices can share information.

To do this, they need to be connected.

Connected devices are part of a network.

The internet is a giant network.

It connects computers all over the world.

Desktop computers can connect to the internet.

So can laptops, tablets, and smart phones.



Hanna wants to send her grandma an email.

Email means “electronic mail.”

She types her message on the computer.

She uses the internet to send it.

Her grandma’s computer is connected to the internet too.

This way she can receive the email.

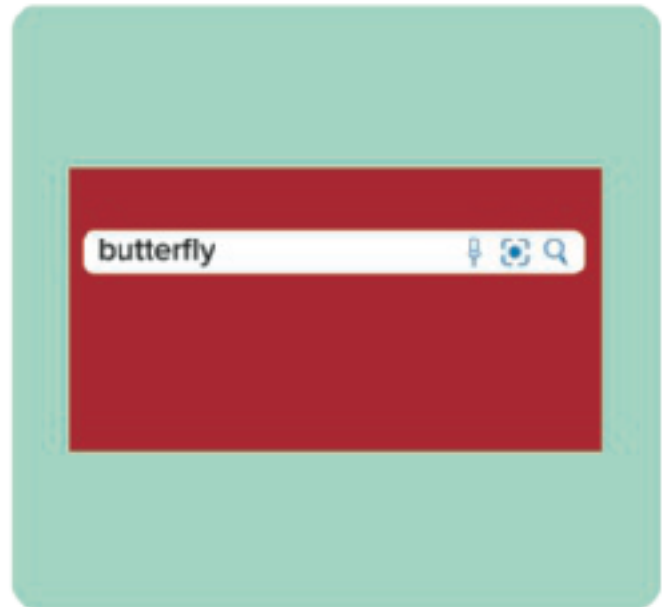




The internet is useful for many things.



You can use it to send and receive messages.

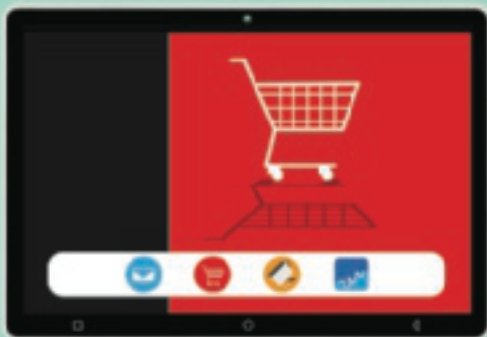
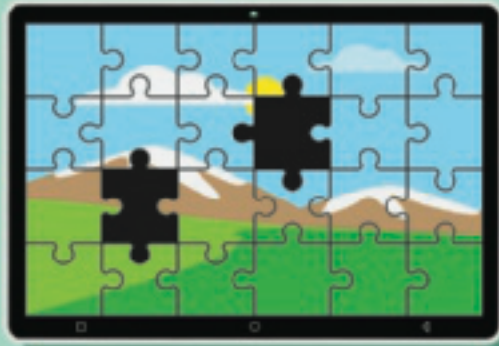


You can search for answers to questions.

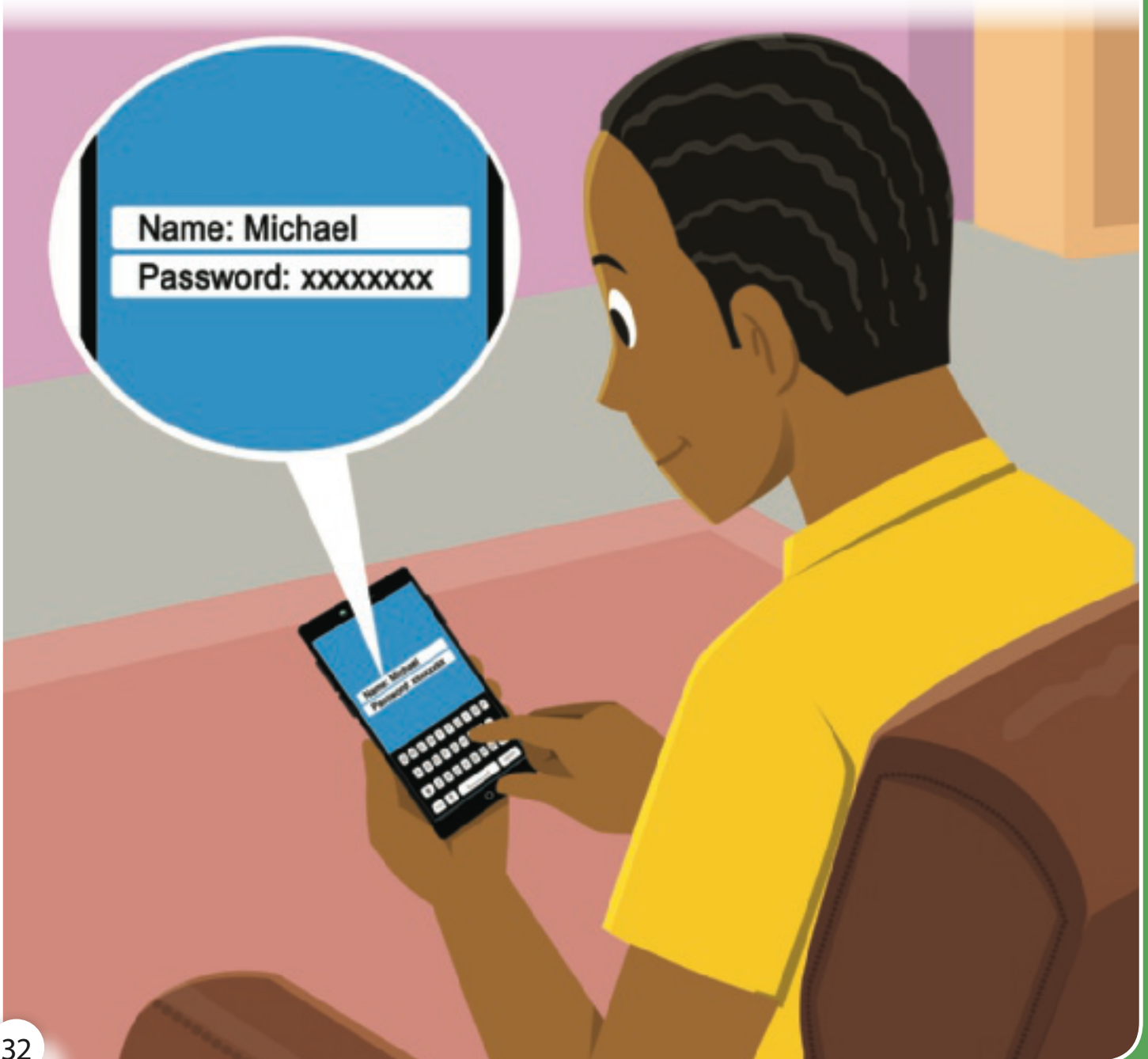


You can find music and movies.

Through the internet you can find games to play.  
You can play some games with people in other places.  
You can make video calls too.  
People can also buy things on a computer device over the internet.  
The map app on a smartphone uses the internet to find places.



There are a lot of things to do on the internet.  
But you have to be careful using it.  
People all over the world connect to the internet.  
Most of them are strangers.  
Children should only use computer devices on the internet  
with an adult's help.





One way to stay safe online is to protect your privacy.  
That means not telling anyone on the internet your real name.  
Do not tell or show pictures of where you live.  
Do not tell things about yourself to anyone you do not know.  
Many computer devices are protected by passwords.  
A password is a secret.  
Only people who know the password can use the device.  
Passwords can be letters, numbers, and symbols.  
They should not be easy to guess.

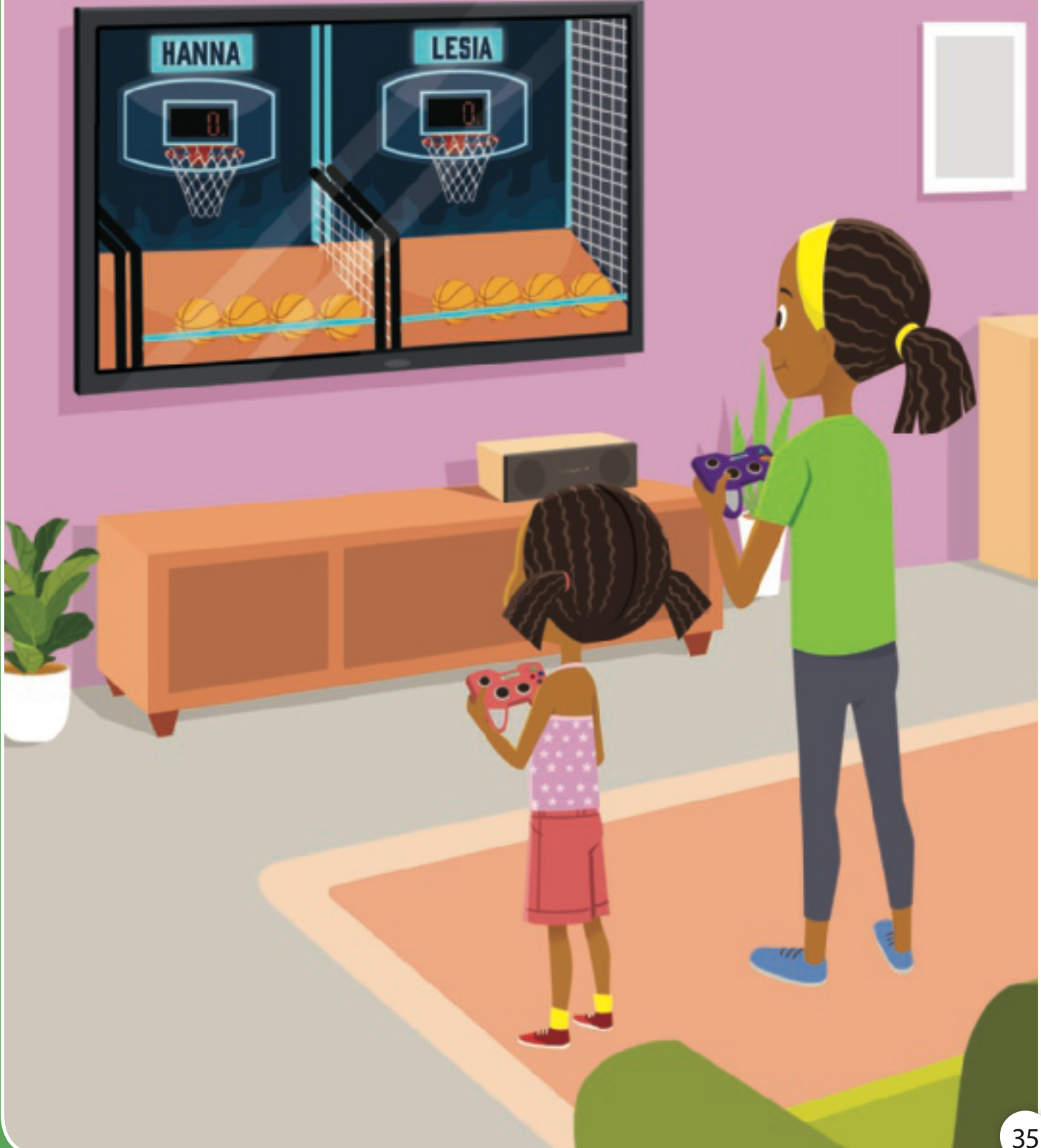


## Game Devices

Computers, tablets, and phones can have games. There are also computer devices made for games. Those are called game consoles.

Some video game consoles stay in one place. They connect to a TV to display the games. Others are small and can be carried around. You can hold the device in your hands to play.





You put information into a computer.

You use a keyboard or a mouse.

You put information into a laptop using a trackpad.

You put information into a tablet or smartphone using a touchscreen.

A game console is also a computer device.

To play games, you must put information into the device.

You use a controller that goes with the console.



Game devices have different controllers.  
But they do the same things as a keyboard and a mouse.  
Controllers let you put information into the device.  
Players hold controllers in their hands to play games.  
Most controllers have buttons to click.  
The buttons move objects on the screen.  
Other controllers have a stick or a steering wheel to use.



## Telling Computers What to Do

Most computer devices use a keyboard.

Desktop computers and laptops have keyboards.

They keyboards have buttons called keys.

Tablets and smartphones have touchscreen.

The touchscreen can display a keyboard.





Keyboards have letters, numbers, and symbols.

Some keyboards separate pads of numbers.

The arrow buttons can move the pointer on the screen.

The movement can be up, down, or sideways.



Some computer devices stay in one place.

Others can be carried around.

Some do many things.

Others do just a few things.

Some use the internet, and some do not.

But computer devices are the same in some ways.

People must tell computers what to do.

To tell a computer what to do, you select things on the screen.

A mouse moves a pointer on a screen.

A trackpad or game controller does the same thing.

You select objects by clicking on them.

Or you choose objects on a touchscreen by touching them.

You touch or click on app icons to open them.



You can move what you see on a screen up or down.

That is called scrolling.

You can also scroll from side to side.

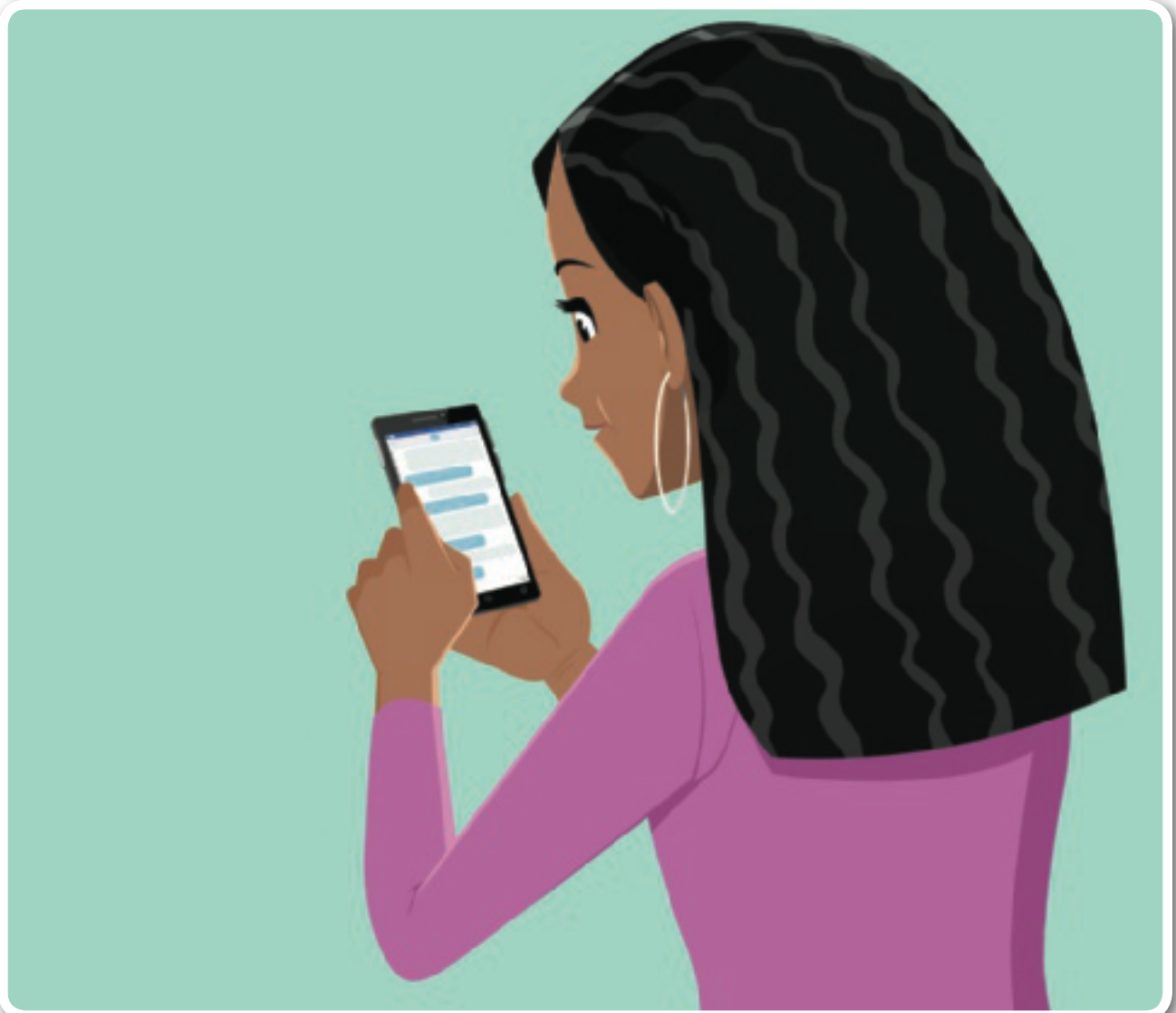
On touchscreen devices, you can swipe.

Swiping is like using your finger to turn a page in a book.

To close an app, you usually touch or click on an X.

Often you want to save your work or game.

Make sure you select the save option before you exit.







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