

The Computer: A Machine

Focus of the chapter

- Things Around Us
- How Machines Help Us
- Computer and its Features
- Types of Computers



Chapter

1



Things Around Us

All things can be divided into two groups; natural things and man-made things.

Natural things are things that are available to us directly from nature. *Examples* are water and wood.

Man-Made things are things that are made by man using materials from nature. *Examples* are a fan, a car, and a pencil.

How Machines Help Us

Machines are things made by man. Thus, machines are man-made things. They make our work easier. We can find examples of machines in our homes.



Mobile Phone

We use it to make calls.



Television

We use it to watch movies.



Air Conditioner

We use it to keep our house cool.



Refrigerator

We use it to keep the food cool.



Washing Machine

We use it to wash our clothes.



Toaster

We use it to make bread slices crisp and brown.

All machines have some common features which are given below:

Machines make our work easy.

Machines help us to save time.



Machines cannot work on their own.

Machines work very fast.

I am a washing machine.
I can wash and dry your clothes.

Most of the machines run on electricity.



Mixer



Air conditioner



Refrigerator

Some machines run on fuel.



Aeroplane



Car



Motor cycle

Some machines work with human power.



Bicycle



Sewing machine



Rickshaw



Try Out

Read the clues. Circle the correct machines:

1. I need electricity to work.



2. I do not need electricity to work.



Computer and its Features

- A computer is a machine.
- It needs electricity to work.
- It can do many things.
- It is a smart machine.



InfoBit

The word ‘computer’ comes from the word ‘computare’ meaning ‘to count’.

Types of Computers

There are different types of computers.

A **desktop** is a computer we keep on a table.



Desktop



Laptop

A **laptop** is a computer. It is smaller and lighter than a desktop. We can carry it with us.



Mobile Phones



Tablets



Chapter in Short



- All things can be divided into two groups—natural things and man-made things.
- Machines make our work easy.
- Most of the machines run on electricity, some machines run on fuel and some machines run with human power.
- A computer is a smart machine.
- A computer can do many things.
- A desktop is a computer we keep on table.
- A laptop is smaller and lighter than a desktop. We can carry it with us.



A. Fill in the blanks:

tired, fuel, mistakes, machine, fast

1. A computer is a _____.
2. Computer never gets _____.
3. Some machines run on _____.
4. A computer works very _____.
5. A computer never makes _____.

B. Write 'T' for true and 'F' for false:

1. A fridge is found outside our houses.
2. An iron is not a machine.
3. A computer is a machine.
4. Machines help us to save time.
5. A computer sometimes get tired.

C. Tick (✓) the correct option:

1. Machine are _____ things.
(a) natural (b) man-made (c) magical
2. A computer runs on _____.
(a) fuel (b) electricity (c) human power
3. Which machine provides us fresh and cool air?
(a) Refrigerator (b) Air conditioner (c) Bicycle
4. A _____ is a computer we keep on a table.
(a) Desktop (b) Laptop (c) Mobile phone

D. Answer the following questions:

1. Name a machine that runs on electricity.

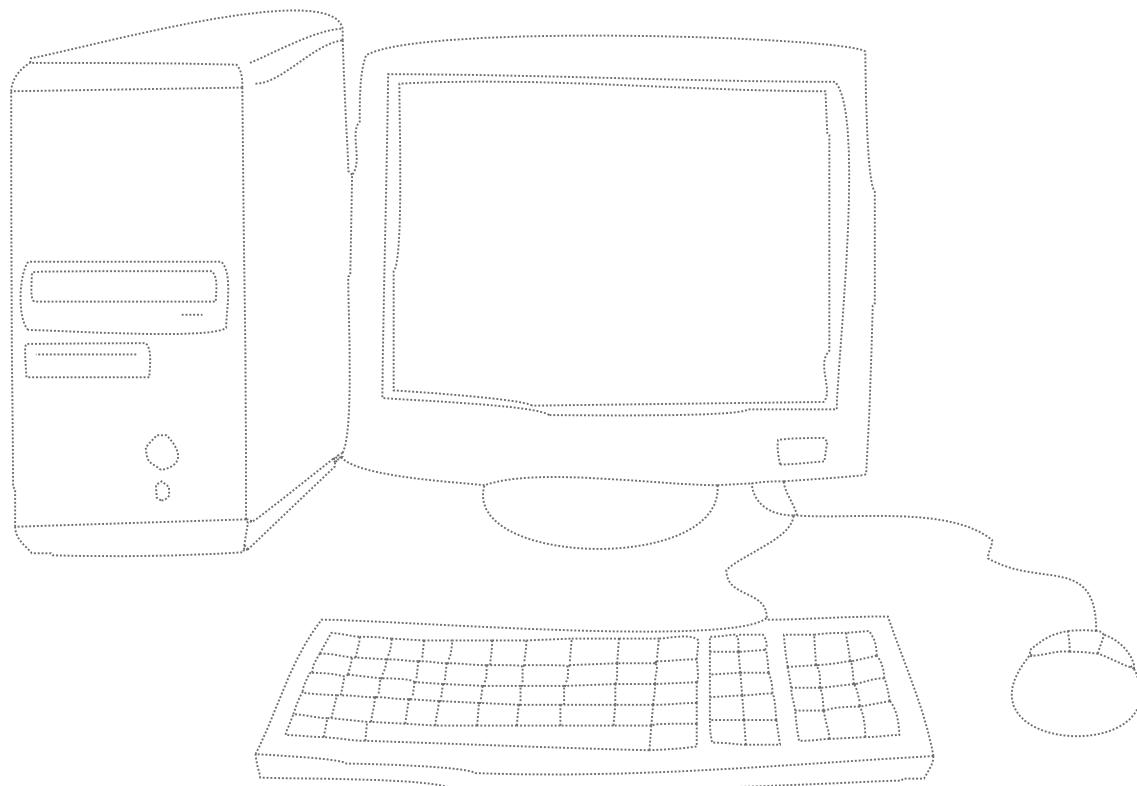
2. Name a machine that runs on fuel.

3. Which is a smart machine?

4. Write any one machine you found in your classroom.

Activity Corner

A. Join the dots. Colour the picture:



This is a C M U E .

- B. Write 'I' for machines found inside the home and 'O' for machines found outside the home.**



- C. Circle the names of five machines in the word maze below:**



U	M	E	R	I	C	A	T
C	O	M	P	U	T	E	R
O	N	E	O	G	R	R	U
O	A	M	F	A	O	U	C
L	C	W	A	T	C	H	K
E	R	K	N	D	C	L	B
R	S	S	P	A	E	A	O



Now, write the names of machines that need electricity to work:

1. _____

2. _____

3. _____