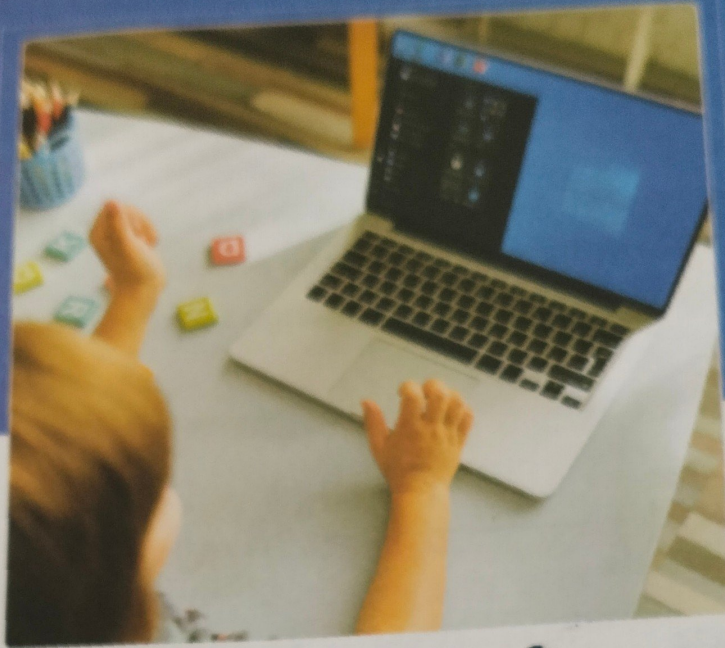


1



## Working of a Computer

Learning Outcomes

✓ IPO Cycle

✓ IPO Devices



Information Literacy

### TECH SET GO ▶

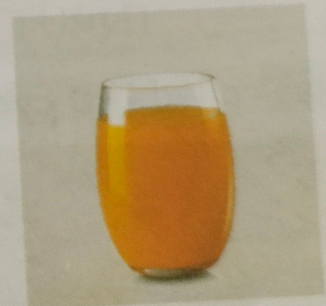
Number the steps (1, 2 and 3) in correct order to make orange juice.



2



1



3



2.



Debit Card  
(Input)



ATM Machine  
(Processing)



Cash  
(Output)

## BYTE QUEST



Information Literacy  
Interdisciplinary Learning

Write I for Input, P for Process and O for Output for the given pictures.

1.



O

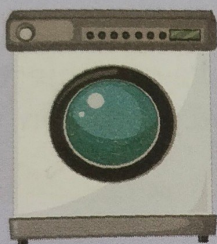


I



P

2.



P



I



O

## IPO Devices

A computer is made up of many parts. These parts are also known as **devices**.

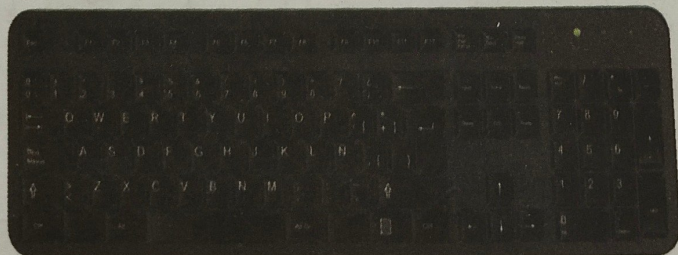
## Input Devices

The devices that are used to enter data into the computer and give orders are called **input devices**.

Some of the commonly used input devices are keyboard and mouse.

Just as bees collect nectar to make honey, computers gather information to help us solve problems and learn new things.

## NATURAL FACT



Keyboard



Mouse

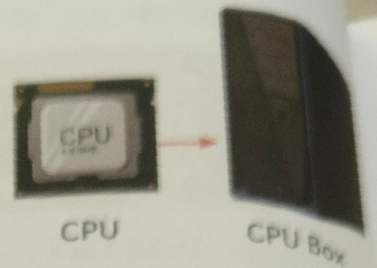




## Processing Device

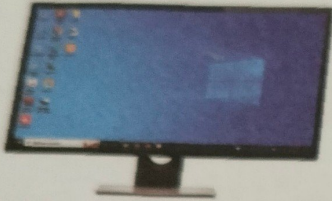
The device that works on the input is called **processing device**. CPU is the main processing device.

CPU stands for **Central Processing Unit**. It works like the brain of a computer. CPU is fixed inside the CPU box.

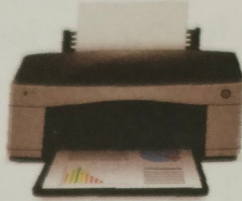


## Output Devices

The devices which help us to get the results are called **output devices**. Some of the commonly used output devices are monitor, printer, headphones and speakers.



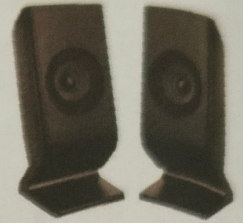
Monitor



Printer



Headphones



Speakers

Think Tank



Imagine, you have a magical input device that can take any object from the real world and put it into your computer. What would you put in, and what would you want the computer to do with it?

## Byte Fact

The CPU switches off itself when you shut down a computer.

## BYTE QUEST



Critical Thinking  
Information Literacy

Rearrange the letters to get meaningful words.

1. P U I N T

I N P U T

O U P U T T

O U T P U T

O C E S S P R

P R O C E S S



## REFRESH

- A computer works in three steps: Input → Process → Output. This is also called IPO cycle.
- The devices that are used to enter data into the computer and give orders are called input devices. Some input devices are keyboard and mouse.
- The device that works on the input is called processing device. CPU is the main processing device.
- The devices that are used to get the results are called output devices. Some of the commonly used output devices are monitor, printer, headphones and speakers.

## TECH READY

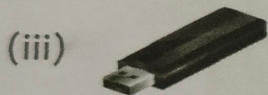
9-4-25

### A. Tick (✓) the correct option.

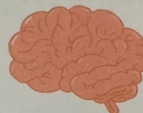
1. Which of the following works like the brain of the computer?


☐

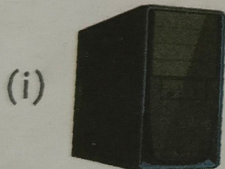
(ii)


☒

☐

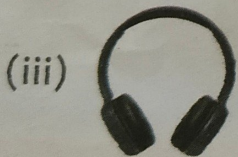
(iv)


☐

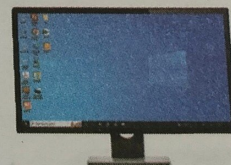
2. Which of the following is not an output device?


☒

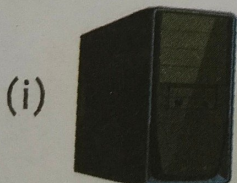
(ii)


☐

☐

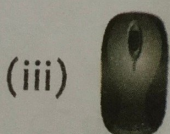
(iv)


☐

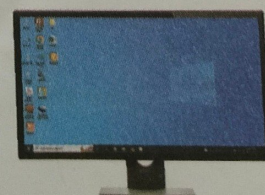
3. Which of the following is an input device?


☐

(ii)


☐

☒

(iv)


☐



B. State whether these statements are true or false.

1. Working of a computer is called processing.
2. CPU stands for Centre Processing Unit.
3. Printer is an output device.

True  
False  
True

C. Answer the following questions:

1. What is the full form of IPO?

full form of IPO is Input Process Output

2. Write the names of any two input devices.

Keyboard, Mouse

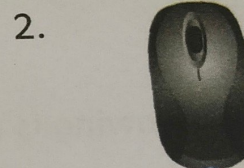
3. Write the names of any two output devices.

Printer, Monitor

D. Write I for input device, O for output device and P for processing device.



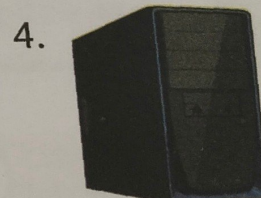
O



I



O



P

## TECH TWISTER



Critical Thinking  
Technology Literacy

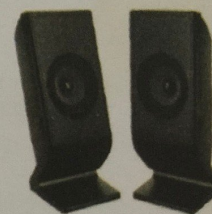
A. Look at these pictures and fill the missing letters.



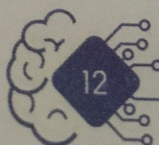
1. M O U S E



2. C P U



3. S P E A K E R S





B. Write I for Input, P for Process and O for Output for the given pictures.



I



P



O

C. Help your parents in washing clothes in a machine. Identify and write the input, process, and output.

## BYTE TASK



Communication

Go to your computer lab and do the following:

- Start your computer and wait for the desktop. Count the icons you see.
- Discuss with your teacher about typing and type the names of all input and output devices you see in your lab.

## TECH VALUE



Leadership & Responsibility  
Information Literacy

Never switch off your computer directly from the UPS. It may harm the programs in your computer.