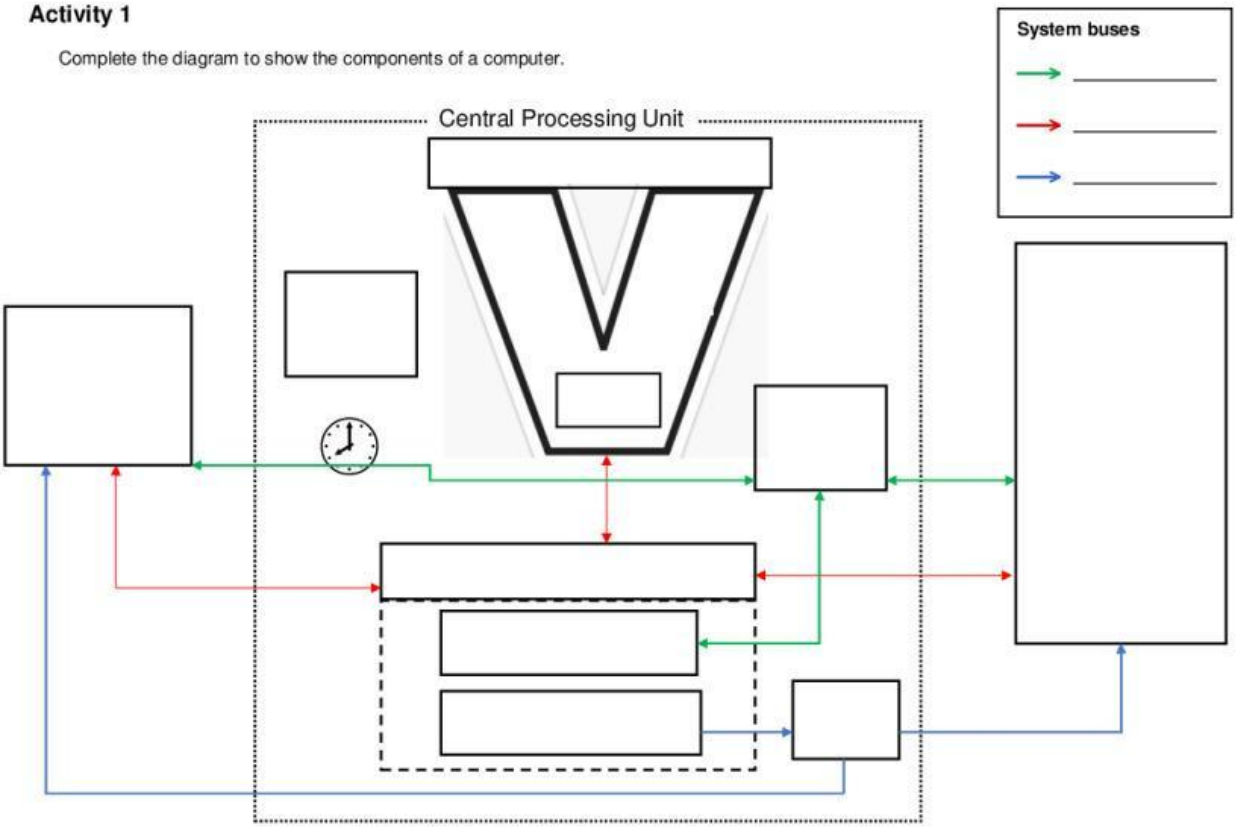
## Activity 1

Complete the diagram to show the components of a computer.




**Word bank**

| | | | |
|---|---|---|---|
| Accumulator (ACC) | Address bus | Arithmetic Logic Unit (ALU) | Cache |
| Control bus | Control Unit (CU) | Current Instruction Register (CIR) | Data bus |
| Input/Output devices | Main memory / IAS / RAM | Memory Address Register (MAR) | |
| Memory Data/Buffer Register (MDR) | Program Counter (PC) | System clock | |

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## Activity 2

Complete the table by describing the function of each computer component and system bus.

| Component | Function |
|---|---|
| Central Processing Unit (CPU) | |
| Arithmetic Logic Unit (ALU) | |
| Control Unit (CU) | |
| Accumulator (ACC) | |
| System clock | |
| Cache | |
| Main memory / Immediate Access Store / RAM | |
| Input/Output devices | |

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## Activity 2 (continued)

Complete the table by describing the function of each computer component and system bus.

| Component | Function |
|---|---|
| Current Instruction Register (CIR) | |
| Program Counter (PC) | |
| Memory Address Register (MAR) | |
| Memory Data/Buffer Register (MDR) | |
| Data bus | |
| Address bus | |
| Control bus | |

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