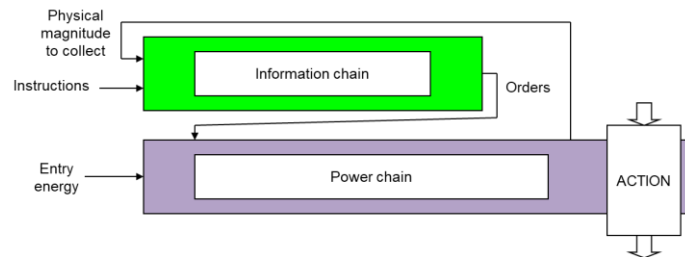


1. Functional chain

The functional is composed of two chains.

- The information chain controls the system by transmitting and processing instructions and feedback.
- The power chain enables action by transforming and directing energy within the system.



1.1. Information Chain

The information chain is composed of three main functions: collect, process and communicate.

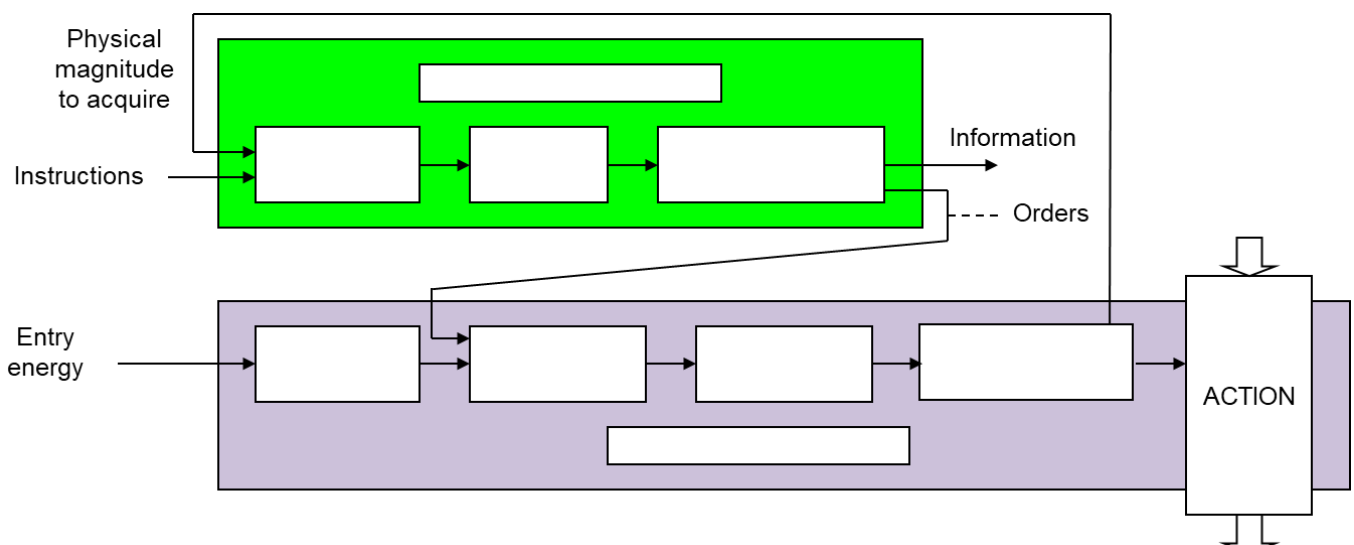
- **Collect:** sensors, keyboards retrieve digital, analog or logical data.
- **Process:** microprocessors, computers, or automatons analyze and convert input information into instructions (the "brain" of the system).
- **Communicate:** shares system status with the user.

1.2. Power chain

The energy chain enables action by transforming and directing energy within the system.

- **Feed:** supplies energy.
- **Distribute:** directs energy to actuators.
- **Convert:** converts input energy to a usable form.
- **Transmit:** modifies the form or speed of energy without changing its type.

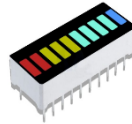
✍ To resume the functional chain, **complete** blocks with the terms above:



2. Component

✎ Associate each component with its block

- Collect
- Process
- Communicate
- Feed
- Distribute
- Convert
- Transmit



✎ Give examples of each block.

Block	Examples
Collect	
Process	
Communicate	
Feed	
Distribute	
Convert	
Transmit	