

CONTROL SYSTEMS

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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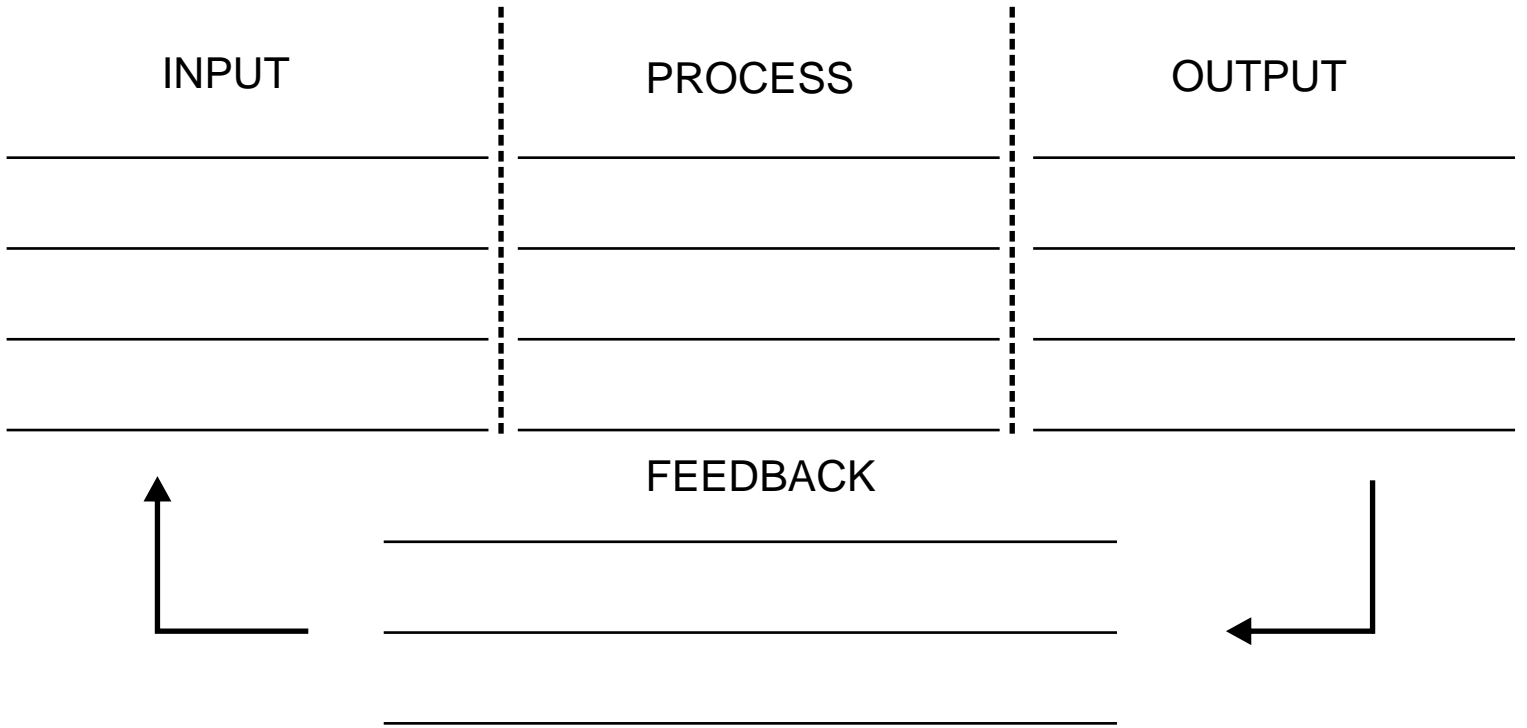
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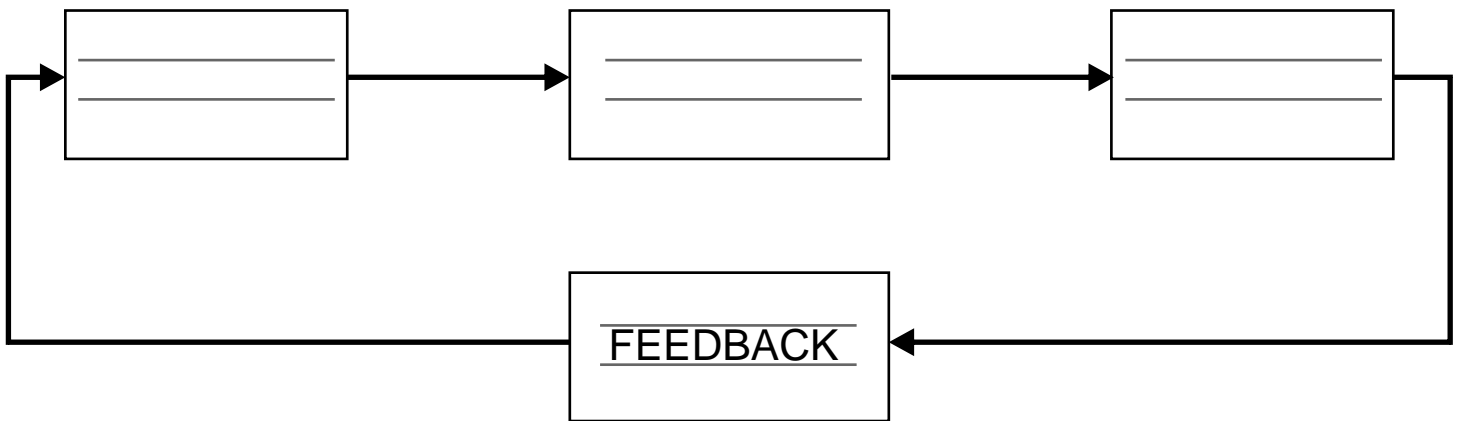
An Automatic Sprinkler System

An automatic water sprinkler system has been ordered by a farmer. The system must have sensors that detect dry weather and turn on water sprinklers to water valuable crops.

The company manufacturing the system have decided that a starting point is to think in terms of INPUT - PROCESS - OUTPUT and also include FEEDBACK. A closed system will be designed to control the automatic sprinkler. Describe a possible solution by completing the chart below.



In terms of PROCESS, INPUT, OUTPUT complete the systems diagram below. FEEDBACK has already been added.



Describe two possible sensors that may be needed for a system such as an automatic water sprinkler.

SENSOR ONE: _____

SENSOR TWO: _____
