

CONTROL SYSTEMS - CLOSED SYSTEMS

V.Ryan © 2000 - 2009

On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet .

THESE MATERIALS CAN BE PRINTED AND USED BY TEACHERS AND STUDENTS.
THEY MUST NOT BE EDITED IN ANY WAY OR PLACED ON ANY OTHER MEDIA INCLUDING WEB SITES AND INTRANETS.
NOT FOR COMMERCIAL USE.
THIS WORK IS PROTECTED BY COPYRIGHT LAW.
IT IS ILLEGAL TO DISPLAY THIS WORK ON ANY WEBSITE/MEDIA STORAGE OTHER THAN www.technologystudent.com

CONTROL SYSTEMS - CLOSED SYSTEMS

V.Ryan © 2009 World Association of Technology Teachers

1. In the space below draw a systems diagram that represents a closed system. The closed system should include the following stages, in the correct order:

OUTPUT

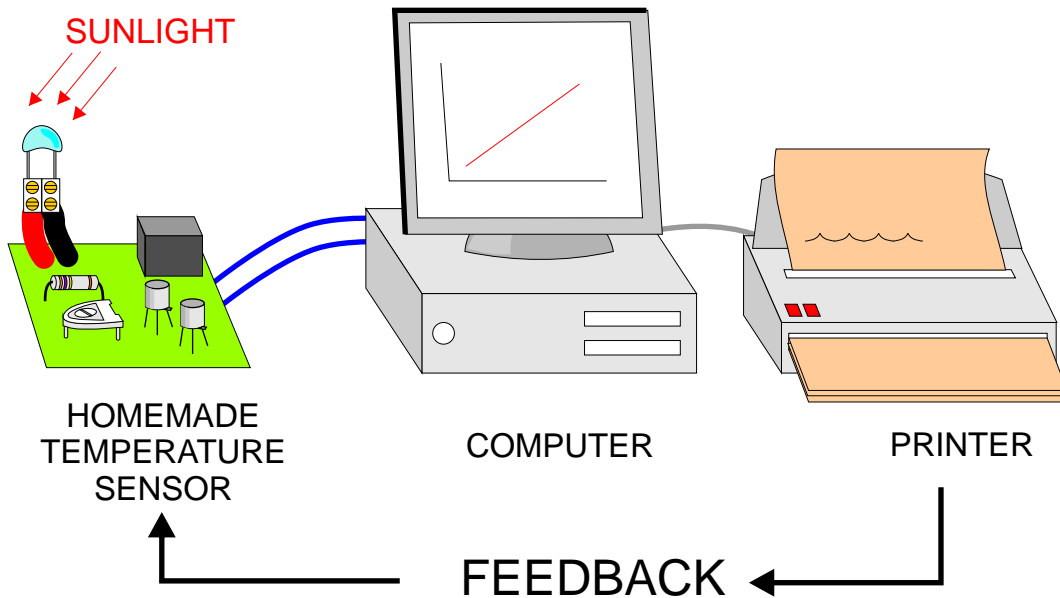
INPUT

FEEDBACK

PROCESS

The closed system shown below represents a simple weather station. It is composed of a temperature sensor which detects changes in air temperature, a computer that processes the information and a printer that prints out the data in the form of a graph. This is a continuous process.

Explain the entire weather station system by adding notes to the input, process, output and feedback sections of the diagram.



INPUT	PROCESS	OUTPUT

FEEDBACK
