

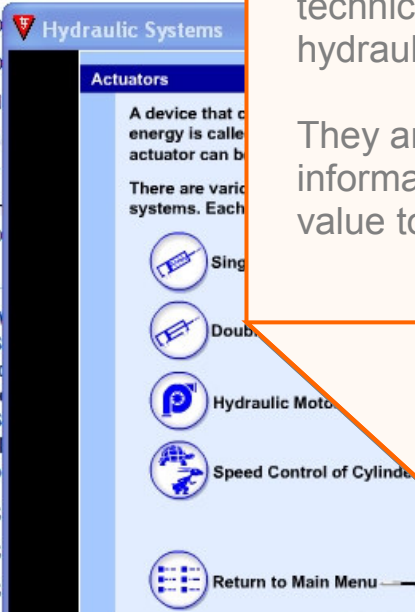
- 1 Run the [Hydraulic Systems Application](#) and select Actuators to view the Actuators menu. Select the Single-acting Cylinders section and read the information.

Q1 The movement of a hydraulic cylinder is a straight line motion. Is this true?

- Yes
 No

Q2 Two engineers are discussing hydraulic cylinders. Engineer A says a double-acting cylinder comes from the same principle as a single-acting cylinder.

- Yes
 No
 Not sure
 Both



2 Close the Actuators menu.

Q3 What is the main function of a hydraulic cylinder?

- To convert hydraulic energy into mechanical energy
 To convert mechanical energy into hydraulic energy
 To convert electrical energy into hydraulic energy
 To convert hydraulic energy into electrical energy

PLTS - Independent Enquiry

As part of the study of hydraulic actuators, a student has to apply their skills in researching information.

An interactive application contains technical descriptions and facts about hydraulic components and systems.

They analyse and evaluate the information, judging its relevance and value to answer technical questions.