

KNOWLEDGE PROBE 1: SYSTEMS VIEW OF ELECTRONICS

Hierarchy of Electronic Equipment

Learning Objectives

1. Define system.
 2. Describe system components.
 3. Describe the basic hierarchy of systems...
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1. What factor has influenced the shift from components to systems in technician work?
 - a. Less technician work
 - b. More offshore manufacturing
 - c. Shift in technician education
 - d. Use of larger scale integrated circuits
 2. In modern electronic equipment, components like ICs and resistors are mounted in or on a
 - a. Metal chassis
 - b. Plastic box
 - c. Printed circuit board
 - d. Steel cabinet
 3. A system is a(n)
 - a. Collection of interrelated elements that work together to perform some useful function
 - b. Large assembly of machines in a factory or plant
 - c. Assortment of complex equipment housed in a common building
 - d. Large computer
 4. The kind of drawing that best matches the description of a system is a
 - a. Block diagram
 - b. Floor plan
 - c. Schematic diagram
 - d. Wiring diagram
 5. Which of the following is NOT a system?
 - a. Apple iPod
 - b. Microprocessor
 - c. Personal computer
 - d. TV set
 6. What does a system do to produce new outputs from inputs?
 - a. Hold
 - b. Process
 - c. Reject
 - d. Transmit