

KNOWLEDGE PROBE 1: TROUBLESHOOTING

Electronic Equipment Failures

Learning Objectives

- Identify the components that fail most often in electronic equipment.
- Identify causes of failure in electronic equipment.

1. Which of the following is NOT a common cause of failure in an electronic product?
 - a. Component failure
 - b. Environmental related
 - c. Insufficient usage over time
 - d. Misuse of the product
2. A cockpit problem refers to a perceived failure caused by
 - a. Environmental excess
 - b. Operator's/user's lack of knowledge
 - c. Overload conditions
 - d. Power failure
3. Which components are more likely to fail?
 - a. Electrical/electronic
 - b. Mechanical
4. The least likely to fail is a(n)
 - a. Battery
 - b. Cable with connectors
 - c. IC
 - d. Transformer
5. Which circuit has the greatest probability of failure?
 - a. High density digital memory
 - b. High voltage circuits
 - c. Power amplifiers
 - d. Power supplies