

## KNOWLEDGE PROBE 5: DIGITAL SIGNAL PROCESSING DSP Applications

### Learning Objectives

1. Outline the advantages and disadvantages of DSP.
  2. List the most widely used applications and products incorporating DSP.
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1. Most modern electronics equipment use DSP.
    - a. True
    - b. False
  2. Which does NOT use DSP?
    - a. CD player
    - b. Cell phone
    - c. Guitar amplifier
    - d. PC
  3. The key limitation to the use of DSP in more electronic applications is
    - a. Complexity
    - b. Excessive power consumption
    - c. Physical size
    - d. Sample speed of ADCs
  4. Where is DSP more widely used?
    - a. Audio
    - b. Microwave
    - c. RF
    - d. Video