Silicon Run II Questions  1. Logic circuits, such as AND, OR and NOT gates, consist of integrated circuits using as switches.
2. Logic gates are the "building blocks" of integrated circuits.  True/False
3. After the silicon wafer circuits are fabricated, they're and
4. How is a silicon wafer circuit tested?
5. How is a failed silicon wafer circuit marked?
5. What is a die?
7. How are dies separated from a silicon wafer?
3. What IC assembly technology is used to connect the silicon integrated circuit to the package pins?
P. The silicon integrated circuits are encapsulated in
10. After encapsulation, the leads are with
11. Before burn-in, packaged ICs are
2. What is meant by burn-in?
13. Why are ICs burned-in?
14. ICs go through thermal cycling? True/False
15. After ICs have completed testing, they're grouped in what three categories?
16. How is the solder paste put on the PCB during screen printing?
17. During SMA, how is the solder paste melted?
18. After insertion of through-hole components, final soldering is done by?
19. Once PCBs are completely assembled, each board is
20. From silicon wafer fabrication to system completion, how many electrical tests take place?
21. What are the four basic components of computers?
22. What are the two types of integrated memory?
23. Which memory type is non-volatile?
24. The processor IC in the video contains over 1 million transistors?  True/False
25. As an electrical signal travels along PCB traces it encounters increased from varying width trace of the signal gradual connections; thereby the speed of the signal.
26. MCU stands for?
27. The PCB of a MCU is a high density signal carrier substrate consisting of layers and thousan bonding pads.
28. The die in a MCU is bonded to a high density signal carrier by which IC assembly interconnection technology?

29. What is the purpose of pin fins?