

Computer Science 1	Exercises 01.01-08	Date:
Name:		Period:

1. According to the author, what is one of the most important elements of learning in a classroom?
2. What is the “exposure equation”?
3. Is *Computer Science* the same thing as *Computer Literacy* or *Computer Applications*?
4. *Computer Science* is essentially _____.
5. In what 3 areas are computers superior to human beings?
6. List 2 *human errors* that can cause a computer to give erroneous information.
7. Do computers have intelligence or creativity?
8. Morse code is based on a series of _____ and _____ signals.
9. The earliest electronic computers achieved electronic memory by using _____.
10. In Computer Science, _____ means *on* and _____ means *off*.
11. What was the first electronic general-purpose computer?
12. What is a *bit*?
13. How many *bits* are in a *byte*?
14. How many bytes does *ASCII* use to store a character?
15. How many bytes does *Unicode* use to store a character?
16. What is the most popular encoding system for the Unicode Character Set?

17. The number system that we use is called the _____ number system or _____.
18. The number system used by computers is the _____ number system or _____.
19. What is the ASCII code for capital letter **D**?
20. When entering a password, you might be reminded that passwords are *case-sensitive*. What does that mean?
21. Transistors have certain key advantages over vacuum tubes. List 2 of them.
22. Transistors eventually lead to the invention of _____ and later _____.
23. Today's microchips actually hold _____ of transistors.
24. What are microchips made out of?
25. What is the main board in a computer, with all the primary computer components, called?
26. What kind of chip stores permanent information for the computer?
27. What kind of chip stores temporary information for the computer?
28. Which stores more information, gigabytes or terabytes?
29. The CPU is essentially the _____ of the computer.
30. What type of device measures in a *continuous* fashion?
31. What type of information allows you to make a precise copy of the original?
32. What does computer *hardware* refer to?
33. What does *application software* refer to?
34. What does *system software* refer to?