Computer Systems: Matching

Match the description with a word or phrase found below.

1. \_\_\_\_\_ Consists of hardware and software that work together.
2. \_\_\_\_\_ Number of ways of representing N bits.
3. \_\_\_\_\_ Unique number assigned to each memory location.
4. \_\_\_\_\_ Executes a program’s instructions one at a time.
5. \_\_\_\_\_ Used to store programs and data.
6. \_\_\_\_\_ Components of a computer system that are the electronic and mechanical parts.
7. \_\_\_\_\_ Components of a computer system that are the intangible parts: data and the computer programs.
8. \_\_\_\_\_\_ Every computer connected to the internet has a unique one of these.
9. \_\_\_\_\_\_ Translates source code into bytecode.
10. \_\_\_\_\_\_ Set of software protocols for moving information across the Internet.
11. \_\_\_\_\_\_ Provides a user interface and manages computer resources.
12. \_\_\_\_\_\_ Network that spans the globe
13. \_\_\_\_\_\_ Single on/off value.
14. \_\_\_\_\_\_ Example of an analog device.
15. \_\_\_\_\_\_ Object-oriented language.
16. 2 B. main memory C. TCP/IP D. compiler E. IP address F. wide-area network G. address H. software I. Operating System J. computer system K. 2N  L. address M. CPU N. mercury thermometer O. music CD P. Java Q. local-area network R. volatile
17. Describe the differences between a compile-time error, runtime error and logical error.
18. Identify whether each of the following are compile-time errors, runtime errors or logical errors.
    1. Multiplying two numbers when you wanted to divide them.
    2. Dividing by zero.
    3. Typing ( when you should have typed {.
    4. Code that produces inaccurate results.
    5. Spelling a word incorrectly in the output.