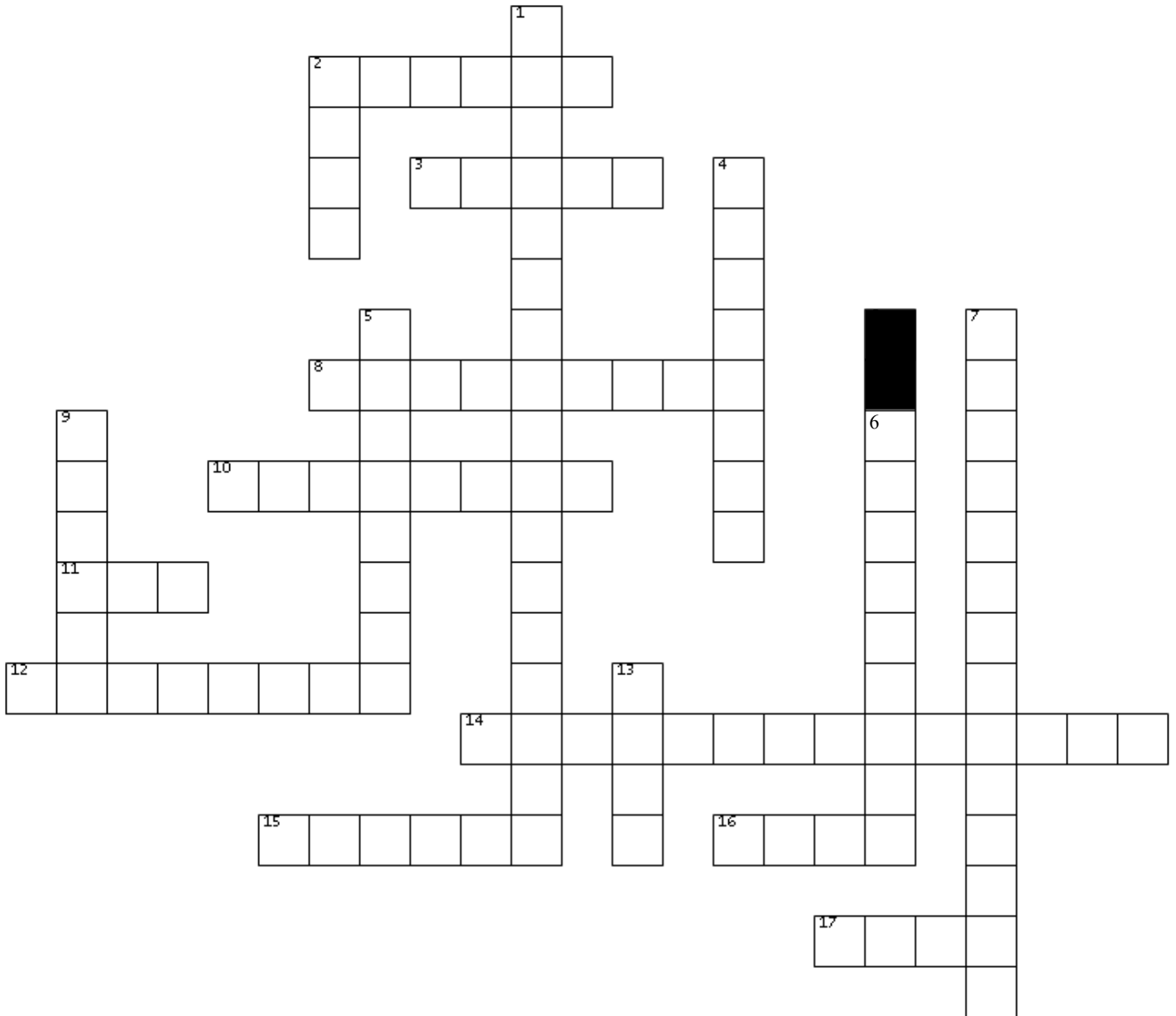


CS 210 Principles of Computer Organization
Chapter 2.2 & 2.3 Review



Note: some definitions may result in a term consisting of multiple words. Write the word with letters consecutively. For example, "operating system" would be filled in as "operatingsystem"

ACROSS

2. fixed-length subdivision of a track, typically containing 512 data bytes; preceded by a preamble
3. the circular sequence of bits written as the disk makes a complete rotation
8. byte ordering system in which higher order bits are stored first (at a lower address)
10. allows the head to be synchronized before reading or writing
11. binary digit; basic unit of memory
12. 1024 kilobytes
14. space between consecutive sectors
15. the part of the computer where programs and data are stored
16. a grouping of bytes, e.g., 32-bits
17. an 8-bit cell

DOWN

1. the delay incurred after the head is positioned radially but before the desired sector rotates under the head
2. the action in which the arm of a hard disk is first moved to the correct radial position in order to read/write a sector
4. the set of tracks at a given radial position
5. 1024 megabytes
6. ___ capacity; a more honest measure of capacity, which does not count the preambles, ECCs, and gaps as data
7. a chip that controls the magnetic drive
9. 4 bits
13. smallest addressable unit of memory (nowadays, usually a byte)