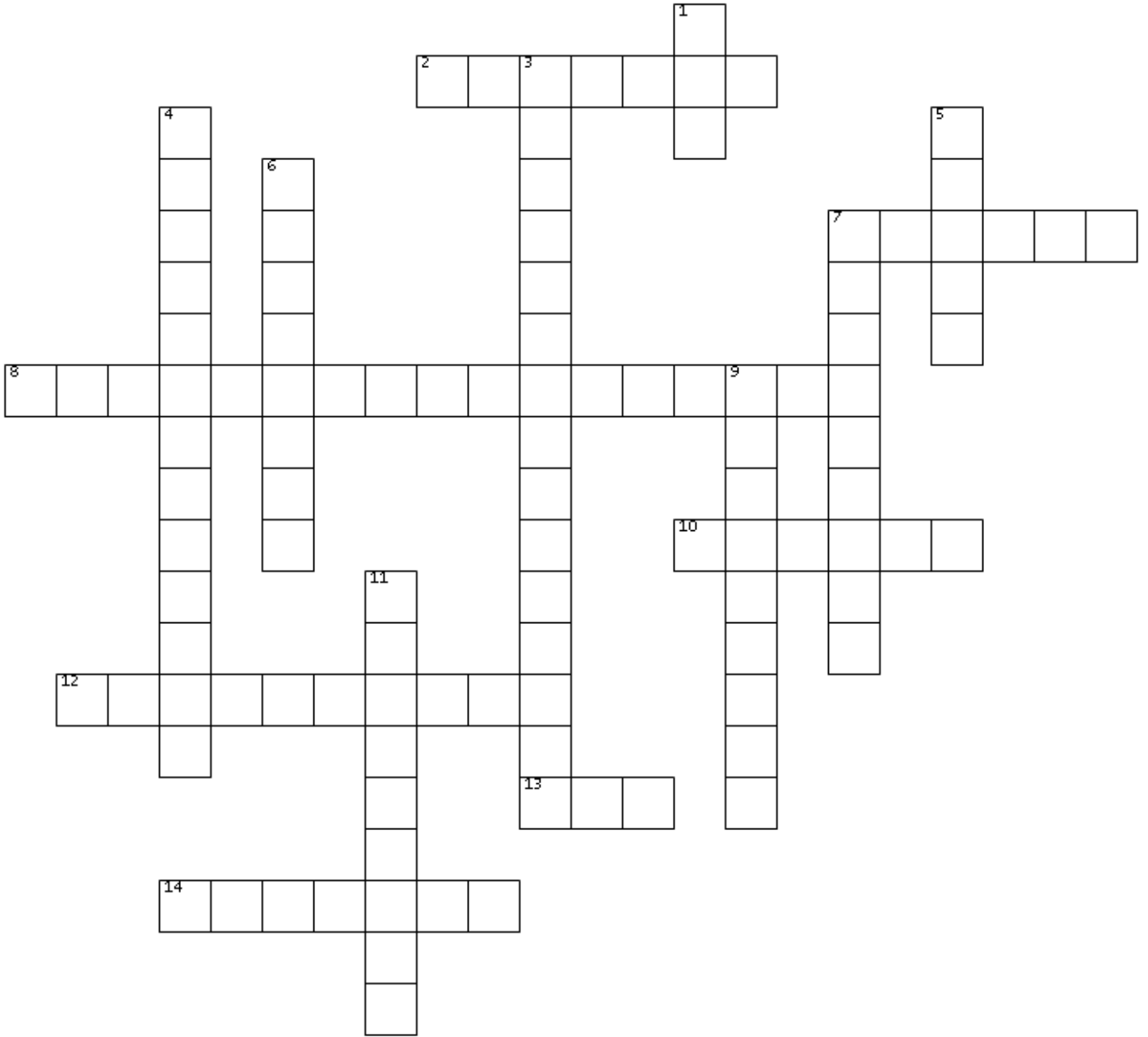


CS 210 Principles of Computer Organization

Chapter 6.1 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. an instance of a program being executed
7. a specific technique for automatic overlaying which involves locating the chunks of program to be read in from disk, loading them, and updating the address map
8. the observation that most programs don't reference their address space uniformly but instead references tend to cluster on a small number of pages
10. ____ paging; a method of operating a virtual memory in which a page is brought into memory only when a request for it occurs, not in advance
12. the set of all pages used by the most recent memory references
13. acronym for the device which is responsible for doing the virtual-to-physical address mapping
14. ____ address space; the addresses that the program can refer to

DOWN

1. acronym for the level which implements the operating system
3. a program that (from the programmer's point of view) adds a variety of new instructions and features, above and beyond what the ISA level provides
4. a method for performing the overlay process automatically; gives the illusion that the machine has more memory than it actually does
5. the chunks of program to be read in from disk in the implementation of virtual memory
6. ____ address space; the actual, hardwired memory locations
7. a chunk of contiguous physical memory which a page goes to
9. specifies for each virtual address what the corresponding physical address is
11. when a reference is made to an address on a page not present in memory