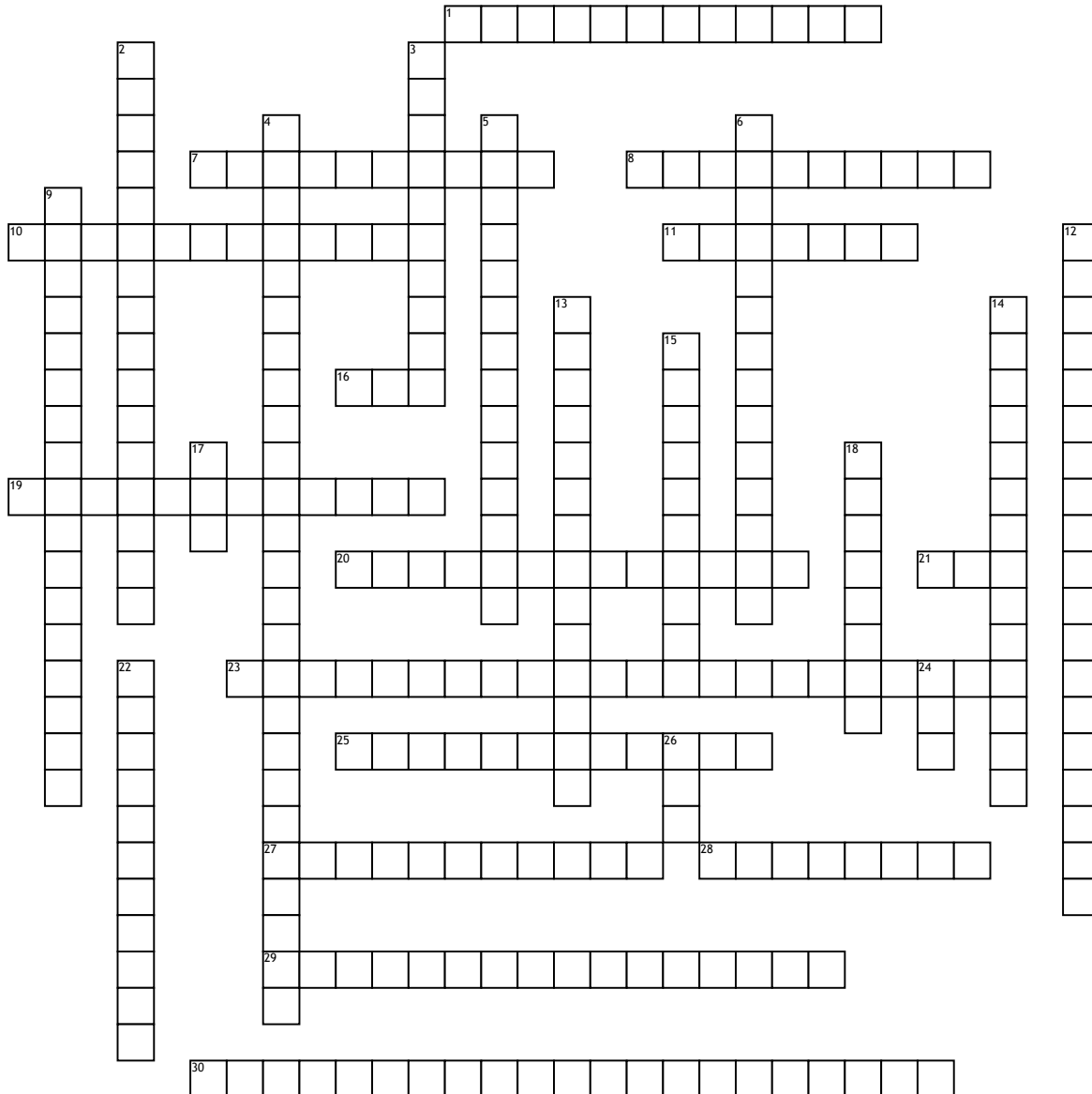


Chapter 1 Crossword Puzzle



Across

1. a set of rules developed by a standards organization and adopted as law by a government body to regulate the minimum requirements for construction, renovation, and maintenance of buildings
7. transfer of heat by the movement of heated fluids or gases
8. the movement of fire from one material to another
10. space protected from fire in the normal means of egress either by sprinkler system, separation from other spaces with the same building.
11. distance from the street line to the front of a building
16. computer software application that relates physical features on the earth to a database to be used for mapping and analysis
19. flow of heat from a hot substance to a cold substance.
20. large uncontrollable fire covering a considerable area and crossing fire barriers such as streets and waterways
21. Federal statute intended to remove barriers, physical and otherwise, that limit access by individuals with disabilities.
23. line, area, or zone where an undeveloped wildland area meets a human development
25. building built before securing a tenant or occupant
27. incorporation of environmental principles including energy efficiency and environmentally friendly building materials into design and construction

28. the total quantity of combustible contents of a building, space, or fire area, including interior finish and trim, expressed in heat units of the equivalent weight in wood
29. guidelines applied to basic units of a project that cause the items to work together as a unified, completely finished item that serves a purpose within established parameters.
30. strategy to reduce the overall time for completion of a project by merging the design and construction phases
- ## Down
2. transmission or transfer of heat energy, from one body to another body at a lower temp
3. branch of philosophy dealing with the nature of beauty, art, and taste
4. code that is dedicated to providing safety regulations for life safety, structural, and fire protection issues
5. incapable of supporting combustion under normal circumstances
6. process of restoring rundown or deteriorated properties by more affluent people, often displacing poorer residents
9. assessment of a facility or location made before an emergency occurs, in order to prepare for an appropriate emergency response
12. act of preparing to manage an incident at a particular location or a particular type of incident before an incident occurs

13. authorization issued from the appropriate authority having jurisdiction before any new construction, addition, renovation, alteration, or demolition of buildings or structures
14. group of people, usually five to seven, with experience in fire prevention, building construction, and or code enforcement, who are legally constituted to arbitrate differences of opinion between fire and building officials
15. a chemical process of oxidation that occurs at a rate fast enough to produce heat and usually light in the form of either a glow or flame
17. total amount of heat produced or released to the atmosphere from the convective lift phase of a fire, per unit mass of fuel consumed per unit time
18. structures or separate parts of the fireground to which a fire could spread
22. the use of a single organization to design and build a facility to minimize risks for the project owner
24. an organization, office, or individual responsible for enforcing the requirements of a code or standard, or approving equipment, materials, an installation, or a procedure
26. organization that develops the international building code