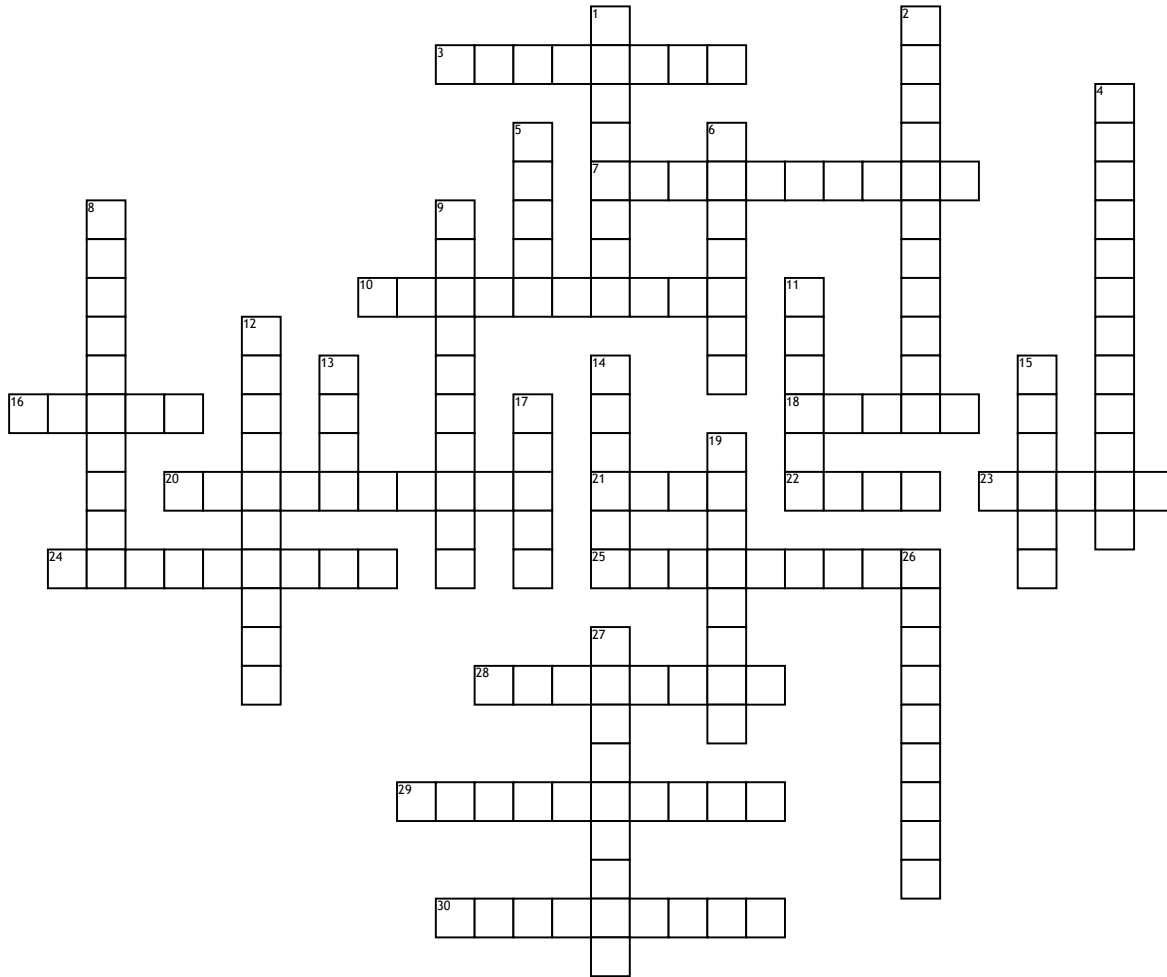


Project Reinforcement



Across

- 3. a mixture of cement, sand, stones, and water that hardens into a construction material
- 7. in construction, a large hole
- 10. a restriction on a product
- 16. a chemical compound used to make plastics
- 18. type of bridge made from steel beams fastened together in triangular shapes
- 20. the design of equipment and environments to promote human safety, health and well-being
- 21. In construction, a large shaft driven deep into the soil to support a structure
- 22. a way of doing something
- 23. a mixture made from mixing a metal with other metals or materials
- 24. in manufacturing, a working model of a proposed product
- 25. a compromise in which one thing is given up in order to gain something else

- 28. the technology involved in building and using industrial robots
- 29. In medicine, a substance that kills bacteria
- 30. turning ideas and imagination into new products and systems

Down

- 1. standards that a product must meet in order to be accepted
- 2. growing plants in nutrient solutions, without soil
- 4. in medicine, a process for making the body resistant to disease, usually by vaccination
- 5. whatever resources are put into a system
- 6. accumulated wealth, which may be money, credit, or property
- 8. a merchant who buys large quantities from a manufacturer and sells smaller quantities to retailers
- 9. the process of modifying and existing product or system to improve it

- 11. a group of parts that work together in an organized way to complete a task
- 12. bringing a supply of water to crops
- 13. distance between bridge supports; the entire length of a bridge
- 14. what a system produces
- 15. type of train that is levitated and propelled by the use of electromagnets
- 17. a very powerful, narrow beam of light in which all the light rays have the same wavelength
- 19. the part of a closed-lope system that provides control or measurement of the product
- 26. in manufacturing, the last step in making a product; used to improve the appearance
- 27. joining materials together