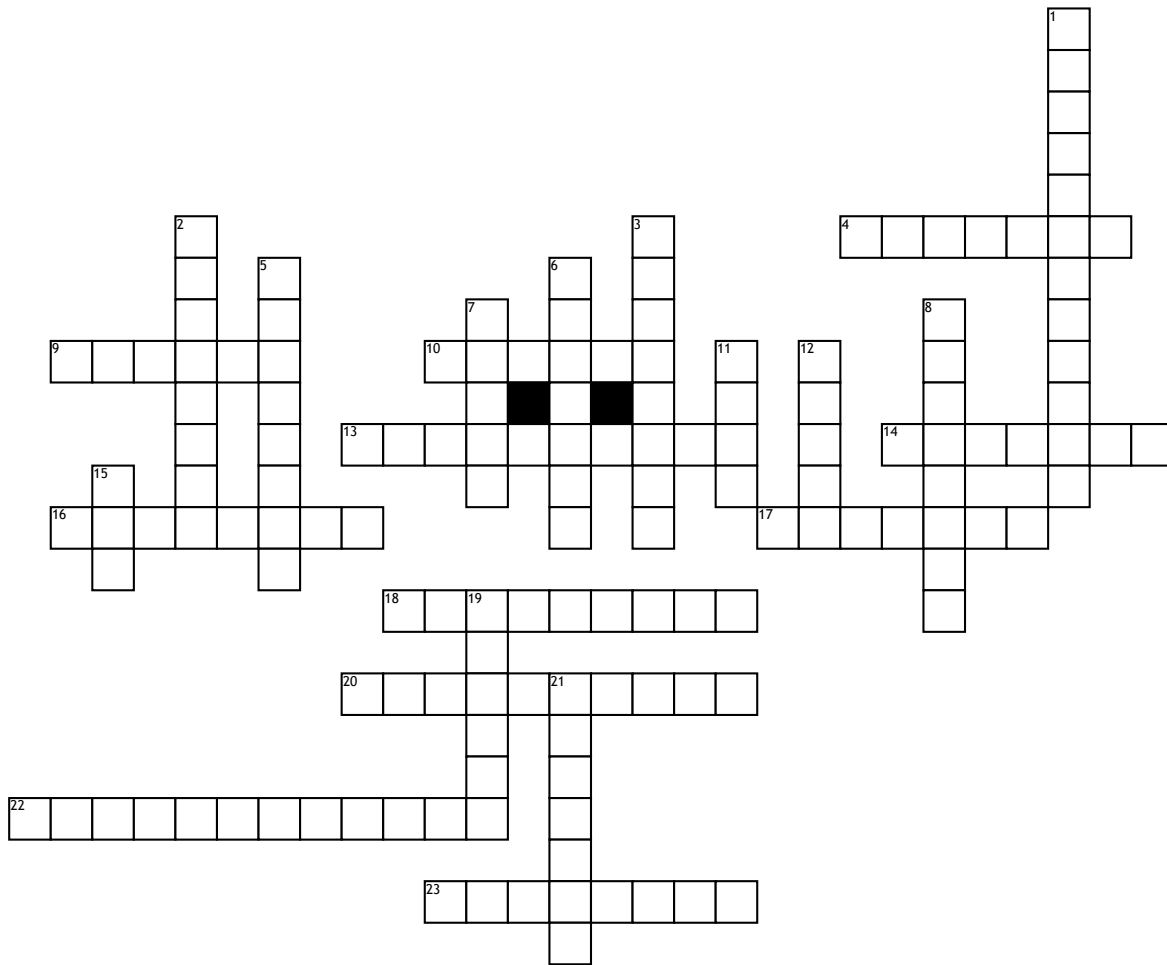


# Mechanical Engineering



## Across

4. The internal diameter or bore of a gun barrel

9. A tool for marking steel (permanent)

10. Name of the reusable rocket developed by SpaceX

13. Science of fitting a workplace to the user's needs

14. A process used to make a thread

16. A quality-control program developed by Motorola

17. An alloy used as bearing material for axles

18. Lightest structural metal in the world

20. Microscopic peaks and valleys

22. Abbreviation of PS

23. Automobile bumper material

## Down

1. A system of three unequal axes all at right angles to each other

2. Technology of using flow of fluid to operate a control system

3. One of the mechanisms of plastic deformation

5. Science dealing with the deformation and flow of matter

6. A type of cushioning used in a large bore, long stroke hydraulic actuator.

7. A structured and systematic technique for system examination and risk management

8. An archaic frictionless bearing device using rollers

11. Related to pump suction

12. A type of software application program for process control

15. Body shell design of an automotive product

19. Lubricant that is a mixture of oil and thickening agents

21. Replaceable attachments for cutting tools are called