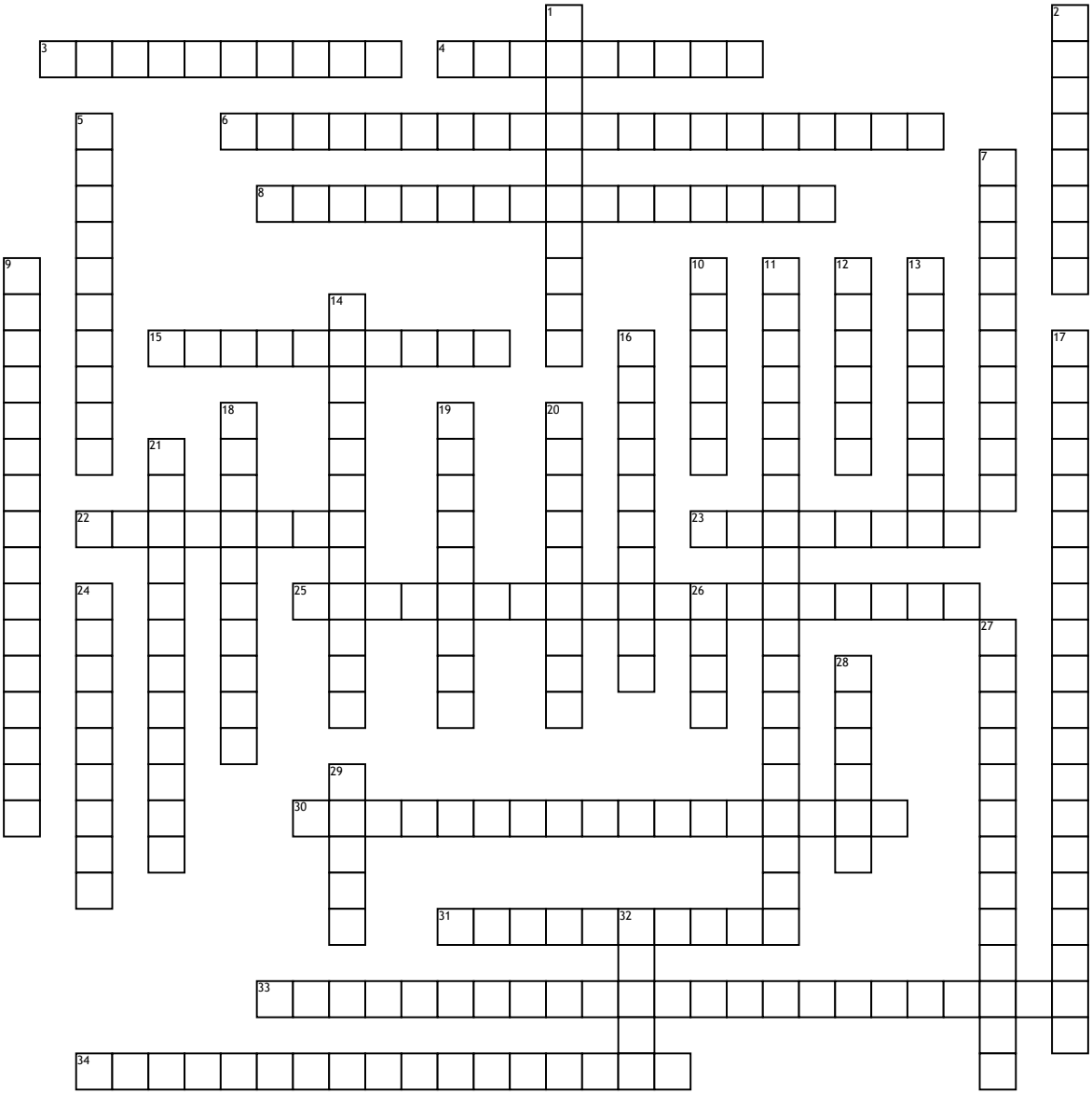
Name: _____ Date: _____

Engineering vocabulary



Across

3. States that the volume of a confined gas is proportional to its temperature, provided its pressure remains constant.

4. The volume of a gas at constant temperature varies inversely with the pressure exerted on it.

6. A cylinder that acts under pressure in one direction only and returns automatically when the pressure is released.

8. The total pressure exerted on a system, including atmospheric pressure.

15. An air pump that compresses air into a receiver tank.

22. The volume of fluid that moves through a system in a given period of time.

23. The force per unit area exerted by a fluid against a surface.

25. The pressure exerted by the weight of the atmosphere above the point of measurement.

30. A type of pneumatic pressure control valve that controls the maximum pressure in a branch of a circuit.

31. A valve that allows flow in one direction but prevents flow in the opposite direction.

33. Used to control which path fluid takes in a circuit.

34. Used to transport fluid in a circuit.

Down

1. The use of a fluid (liquid or gas) to transmit power from one location to another.

2. A switching device that uses the magnetic field generated by an electrical current for actuation.

5. Pressure exerted by a confined fluid acts undiminished equally in all directions.

7. The use of gas flowing under pressure to transmit power from one location to another.

9. Used to start and stop flow in a circuit.

10. A device used to remove contamination from a fluid.

11. A type of pressure control valve that limits the maximum pressure in a hydraulic or pneumatic circuit.

12. The amount or quantity of something.

13. A device used to convert fluid power into mechanical power in the form of linear motion.

14. A device that holds the compressed air in a pneumatic system.

16. The use of a liquid flowing under pressure to transmit power from one location to another.

17. A cylinder that can act under pressure in both directions (extend and retract) to move a load.

18. A device used to spray an oil mist into the stream of a pneumatic system.

19. A measure of a fluid's thickness or resistance to flow.

20. A device used to measure flow rate.

21. The distance the fluid travels through a system in a given period of time.

24. The tank that holds the fluid in a hydraulic system.

26. A device used to create flow in a hydraulic system.

27. The absolute pressure of a confined gas is proportional to its temperature, provided its volume stays constant.

28. A sliding piece moved by or moving against fluid pressure which usually consists of a short cylindrical body fitting within a cylindrical chamber or vessel along which it moves back and forth.

29. A part of an axle or shaft bent out at right angles, for converting reciprocal to circular motion and vice versa.

32. Any device that controls, either automatically or manually, the flow of a fluid.

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