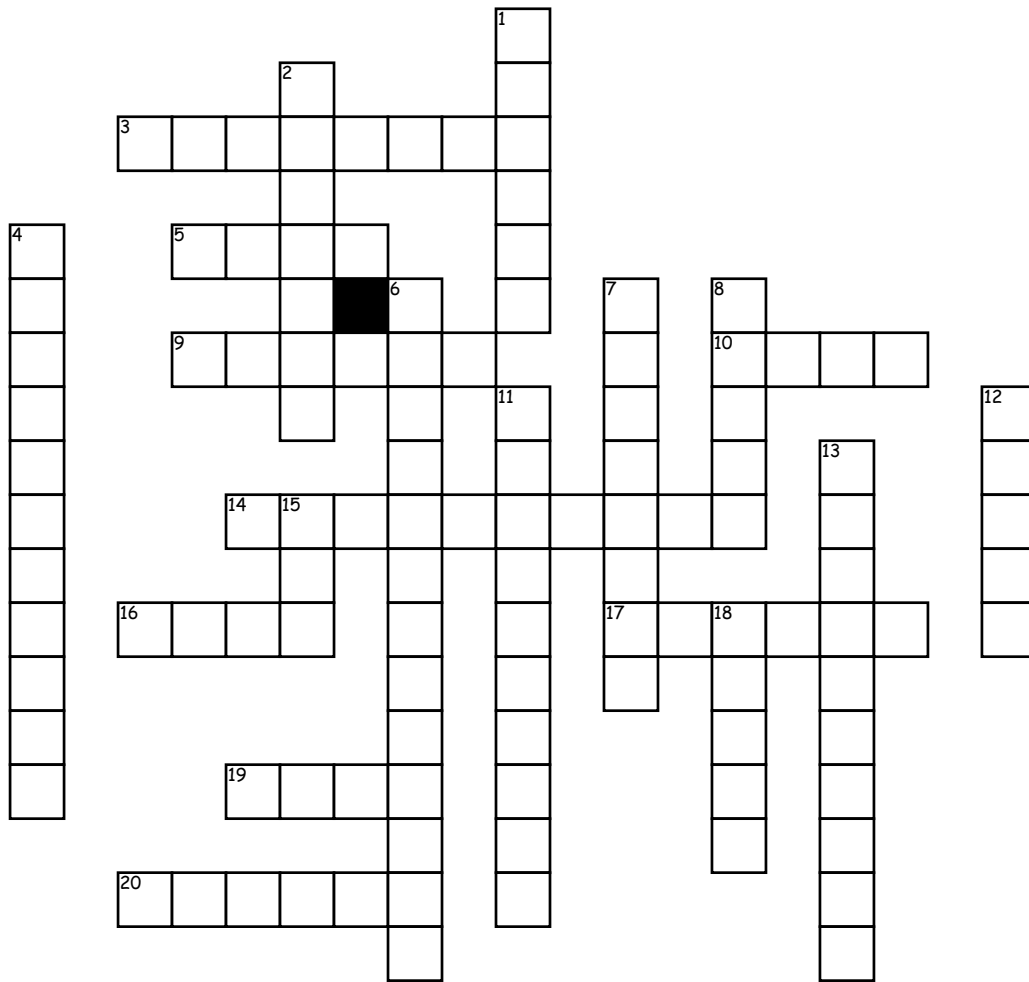


Pneumatics and Hydraulics.



Across

3. A type of gas which could be used in a pneumatic system.

5. Pneumatics can be very dangerous because of _____ backs.

9. The cylinder that is the input in a system and where pressure is applied

10. The force is transmitted through the air along the narrow _____ to another piston.

14. Liquid cannot be _____.

16. A pneumatic or hydraulic system can be used to either push or _____ an object

17. Is movement that keeps on turning or spinning.

19. A hydraulic device can _____ and hold heavy objects.

20. The _____ moves inside the cylinder in the direction of pressure.

Down

1. Is motion in a straight line.

2. Pneumatics is not suitable for machines that need _____ controlled movements

4. Is a swinging movement, back and forth in an arc.

6. Is movement that goes back and forth in a straight line.

7. In a hydraulic system _____ is always constant.

8. Machines transmit _____, movement and force.

11. A system that uses air under pressure.

12. The cylinder is the output which is the result effect of the applied pressure.

13. A system that uses liquid under pressure.

15. Hydraulics uses _____ so less friction but leaks can occur.

18. Pneumatics can be used in simple every day _____.

Word Bank

Pressure

Oil

Pneumatics.

Precise

Pipe

Linear

Kick

Hydraulics

Pull

Tools

Reciprocating

Piston

Nitrogen

Speed

Master

Oscillating

Slave

Lift

Rotary

Compressed