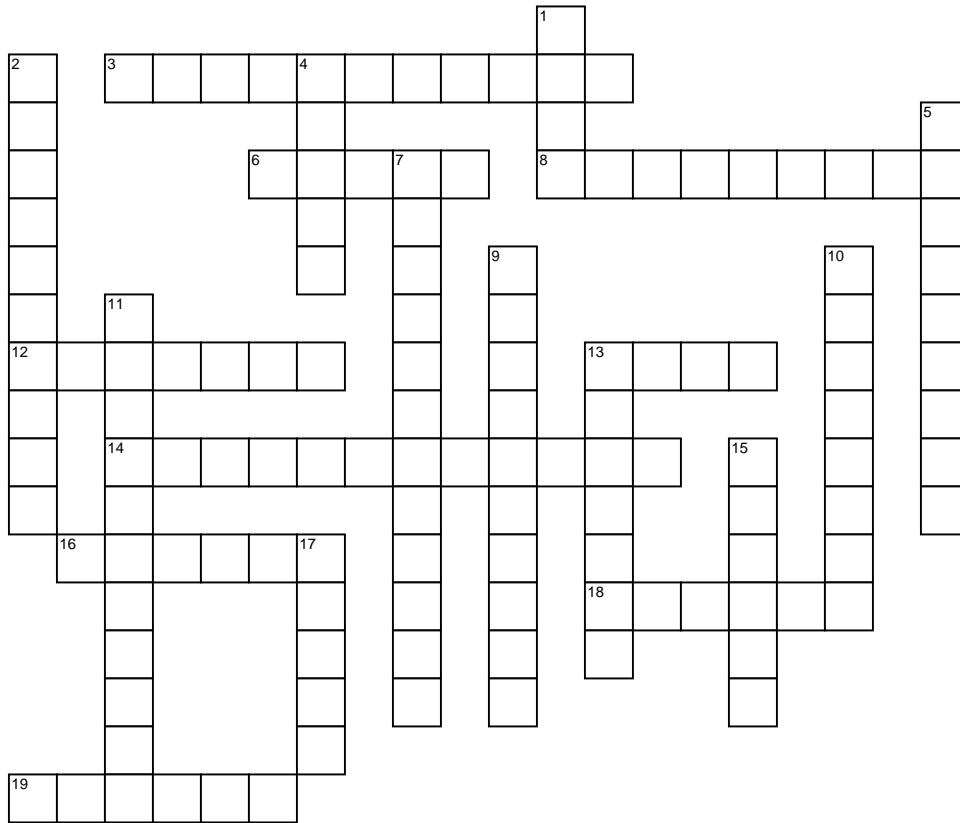


Name _____

Date _____

Turbocharging and Supercharging



Puzzle by Tony and Lara Martin. www.CrosswordWeaver.com

ACROSS

- 3 Upward stroke of the piston with both valves closed
- 6 Air pressure increase
- 8 A turbocharger is driven by the _____ of hot gases
- 12 _____ efficiency: how much heat is converted to power
- 13 Boost pressure is often measured in pounds per square ____ (psi)
- 14 Utilizes waste heat energy in the exhaust to create boost
- 16 Late model turbochargers are _____ - cooled
- 18 Downward stroke of the piston with one valve open
- 19 A _____ valve is used to control intake manifold pressure

DOWN

- 1 Oil oxidizes at high temperatures
- 2 _____ efficiency: how well an engine breathes
- 4 A positive-displacement supercharger design
- 5 As boost pressure _____, the temperature of the air increases
- 7 Engine-driven air pump
- 9 The turbocharger wheel that is driven by the turbine
- 10 The larger the turbocharger wheel, the slower the _____ time
- 11 Air starts in the middle and is thrown outward in this supercharger design
- 13 Moving exhaust gas has _____
- 15 CBV: Compressor _____ Valve
- 17 Atmospheric pressure _____ as altitude increases