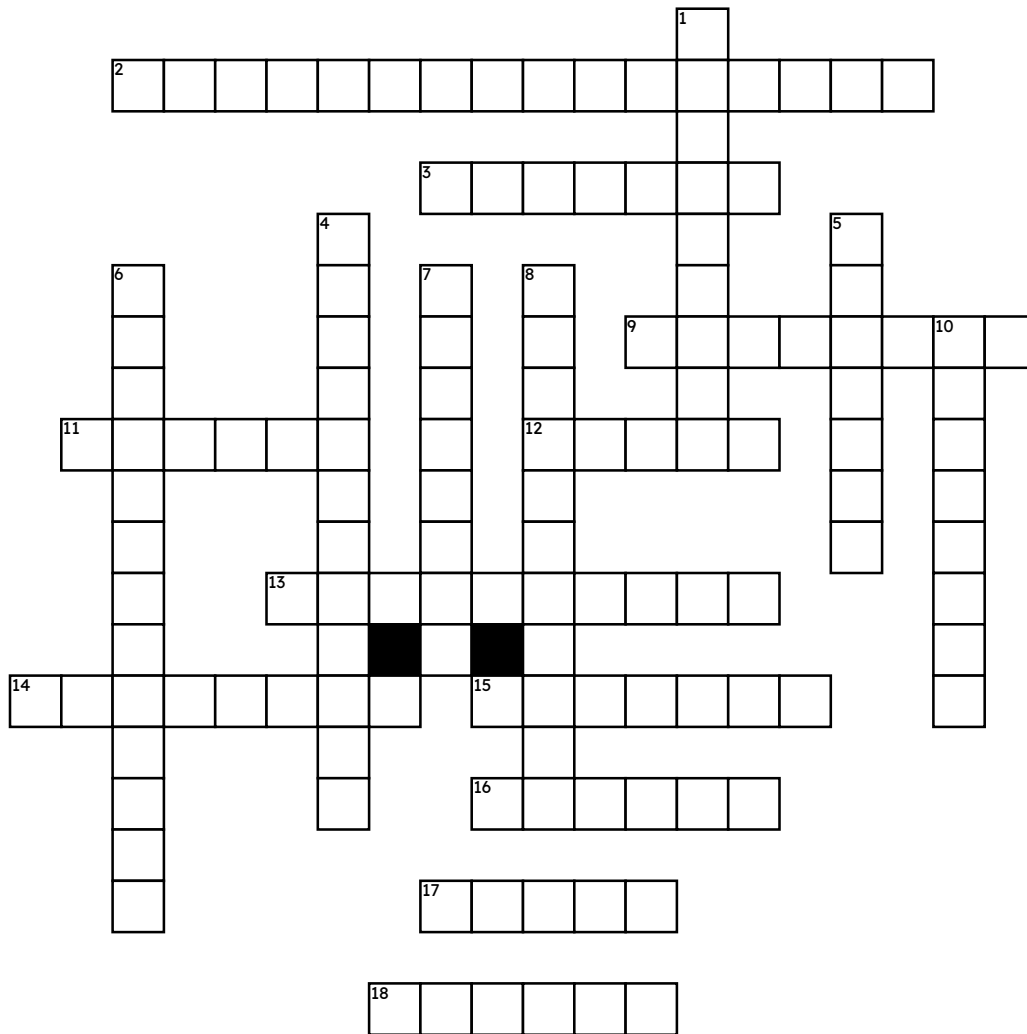


Name: _____

Date: _____

ENGINES



Across

2. top set of rings on a piston, designed to seal the gap between the piston and cylinder to prevent the escape of combustion gasses

3. a part on which a shaft, journal, or pivot turns

9. a shaft with offset lobes (cams) that control valve operation

11. cylinder that is closed on one end and attached to the connecting rod on the other. Aids in transfer of energy in an engine.

12. stroke of a 4 stroke diesel engine where the piston is forced down by the force of combustion

13. main shaft that turns piston reciprocation into rotary motion

14. hole that has a set depth and contains the piston

15. bottom ring on piston that scrapes oil off cylinder walls

16. stroke of a 4 stroke diesel engine where fresh clean air is drawn into the combustion chamber

17. Part of the engine containing the crankshaft, pistons, and cylinders. foundation for entire engine.

18. type of engine that uses heat of compression to ignite a fuel charge

Down

1. Part of the engine that surrounds the crankshaft

4. detachable portion of an engine with covers the upper end of the cylinder bores and forms part of the combustion chamber

5. the stroke of a 4 stroke diesel engine where the gasses are forced out of the cylinder

6. sleeve that fits between the piston and the cylinder wall or water jacket to provide an easily replaceable surface for the cylinders

7. type of engine that requires a spark plug to provide ignition source

8. stroke in a 4 stroke diesel engine where the gas in the cylinder is compressed

10. a large heavy wheel in which energy is absorbed and stored by means of momentum

Word Bank

Crankcase

piston

Bearing

Crankshaft

Exhaust

compression

intake

Block

Diesel

camshaft

Cylinder liner

Gasoline

cylinder head

Flywheel

oil ring

Cylinder

compression rings

Power