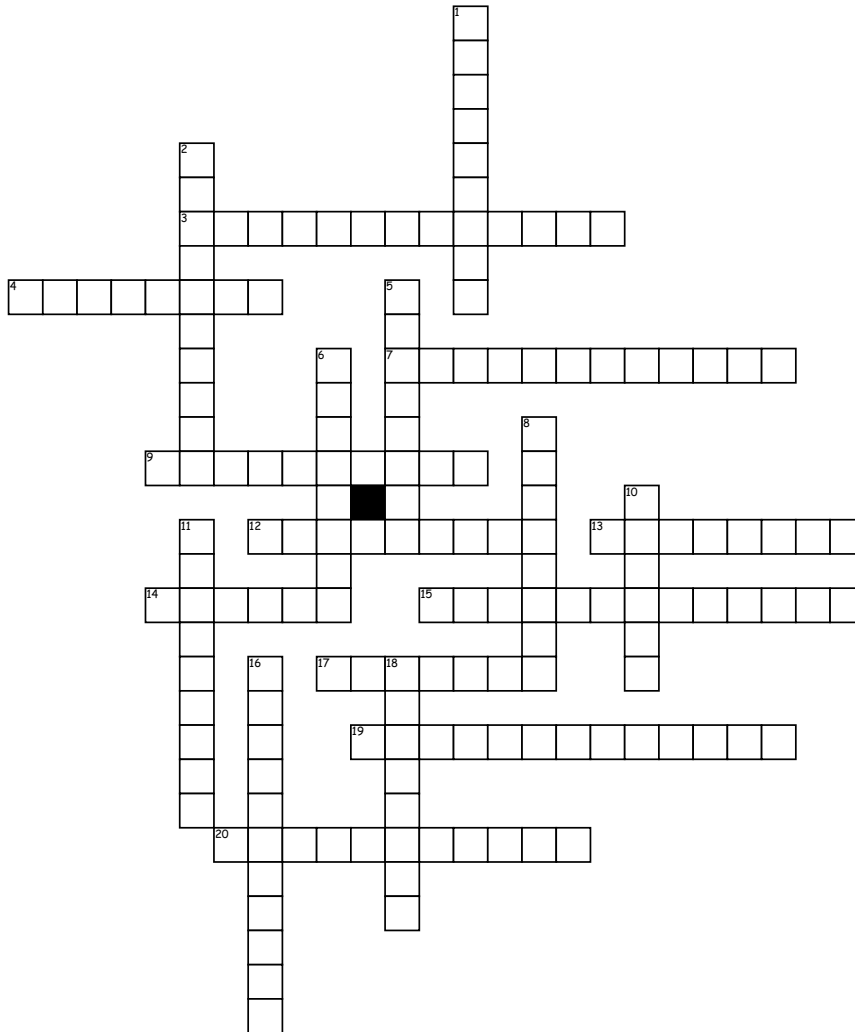


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Small Engines Parts



## Across

3. Mechanical starter that commonly consists of a rope, pulley and return spring used to manually rotate the crankshaft to start an engine  
 4. Rotating part of an electric motor consisting of an iron core or magnet  
 7. Where the products of burned gas leave the engine  
 9. Converts linear motion of the piston into rotary motion  
 12. Houses and supports the crankshaft  
 13. A graduated rod for measuring the depth of a liquid, especially oil in an engine  
 14. A sliding rod, intermittently struck by the cam, for moving another part, as a valve.

15. Transfers motion from the piston to the crankshaft and functions as a lever arm  
 17. Subdues noise produced from exhaust gases exiting the combustion chamber  
 19. Part of engine that contains the cylinder bore and valve train components  
 20. Allows air-fuel mixture to be drawn into the combustion chamber

## Down

1. Acts as a pivoting device for opening and closing overhead valves  
 2. Provides the required air-fuel mixture to the combustion chamber based on engine operating speed and load  
 5. A storage device to hold fuel for an engine.

6. Includes the cam gear, cam lobes and bearing surfaces  
 8. Maintains a desired engine speed regardless of the load applied to the engine  
 10. Cylindrical component that slides back and forth in the cylinder bore by forces produced during the combustion process  
 11. Isolates the electricity induced in the secondary windings and directs a high voltage charge to the spark gap at the tip of the spark plug  
 16. Expandable split ring used to provide a seal between the piston and the cylinder wall  
 18. Mounted at one end of the crankshaft to provide inertia for the engine

## Word Bank

Cylinder Block	Exhaust Valve	Spark Plug	Governor	Piston Rings
Muffler	Camshaft	Crankshaft	Flywheel	Rewind Starter
Rocker Arm	Armature	Intake Valve	Tappet	Connecting Rod
Dipstick	Fuel Tank	Carburetor	Piston	Crankcase