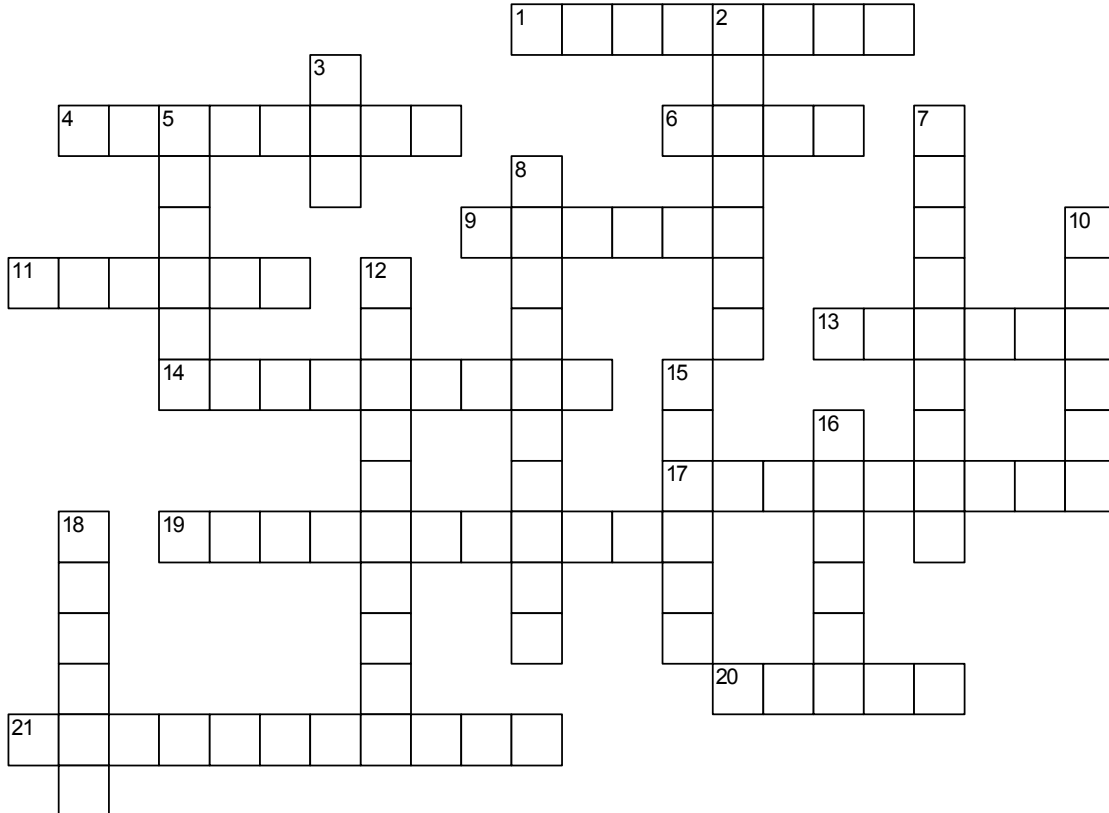


Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## Valve and Seat Service



www.CrosswordWeaver.com

### Across

- 1 Type of valve stem seal
- 4 Type of rotator that forces the valve to rotate
- 6 Part of the valve that makes contact with the seat
- 9 Valve design in automotive engines
- 11 Used to shrink valve seat inserts
- 13 Another name for valve lock
- 14 Can be used to remove valve seat inserts
- 17 Valves sinking into their seats
- 19 Used to close the valves
- 20 Type of synthetic rubber used for valve stem seals
- 21 An alternative to seat grinding

### Down

- 2 Type of valve that conforms to valve seat shape
- 3 \_\_\_\_\_: Total Indicator Runout
- 5 Used to transfer heat in valves
- 7 Decreases with valve recession
- 8 The valve seat must be \_\_\_\_\_ with the valve face to make a proper seal
- 10 Should be over 0.030" after grinding (exhaust valve)
- 12 Height of the uncompressed valve spring
- 15 The intake valves are \_\_\_\_\_ than the exhaust valves
- 16 Valve stem \_\_\_\_\_
- 18 Holds the valve stem during grinding