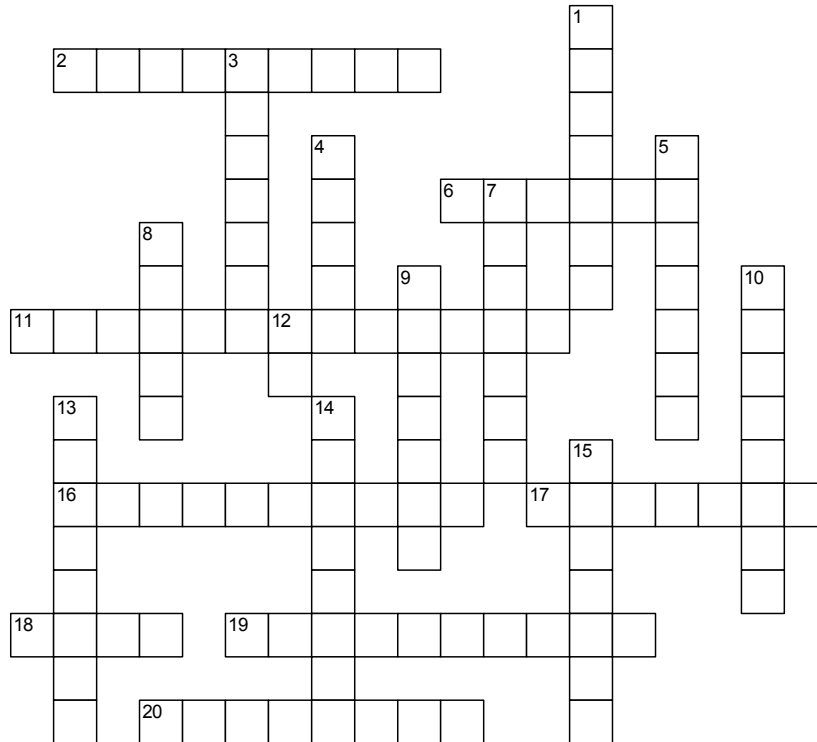


Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

# Cylinder Head and Valve Guide Service



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## Across

- 2 Unit used to describe surface finish  
 6 Where the spark plug is located in a hemispherical combustion chamber  
 11 Non-turbulent combustion chamber  
 16 Directs coolant to the hottest area  
 17 Performed with metal-cutting tools  
 18 Part of the valve supported by the guide  
 19 More airflow generates more \_\_\_\_\_.  
 20 Displacing metal to reduce inside diameter of a hole

## Down

- 1 A \_\_\_\_\_ scraper should be used to remove gaskets from aluminum heads  
 3 The number of crankshaft degrees that both valves are open  
 4 A combustion chamber with parallel valves  
 5 Machine used to resurface cylinder heads  
 7 Aluminum \_\_\_\_\_ at twice the rate of cast iron when heated  
 8 A cylinder head gasket surface defect  
 9 Air and fuel combined  
 10 Describes a stress-relieved engine  
 12 Unburned gasoline  
 13 Where coolant is cooled  
 14 Type of valve guide that is part of the cylinder head casting  
 15 Another word for shared ports