

Animation Worksheet: Cylinder Wall Lubrication

Name: _____ **Date:** _____

1. Each crankshaft journal is often equipped with one or more _____ to facilitate lubrication.
2. When the _____ rotates, pressurized oil escapes from these holes and enters the surrounding area.
3. The oil expelled through these holes is directed toward the _____.
4. This process creates a thin _____ of oil that lubricates the interface between the piston and the cylinder.
5. Lubrication is essential because it reduces both _____ and _____ between moving parts.
6. The oil that reaches the cylinder walls also helps to _____ heat generated during the combustion process.
7. Maintaining optimal engine temperatures through lubrication helps prevent the engine from _____.
8. A continuous supply of oil helps minimize wear on both the cylinder walls and the _____.
9. The oil film acts as a _____, which helps to maintain compression within the cylinder.
10. Proper functioning of these spit holes is essential for the _____ and efficiency of the engine.