

Animation Worksheet: Oil Spray Piston Cooling

Name: _____ **Date:** _____

1. Oil spray piston cooling is a method primarily used in _____ and heavy-duty engines.
2. The main purpose of this system is to help control the _____ of the pistons during engine operation.
3. The process works by directing a fine _____ of engine oil onto the underside of the piston.
4. As the oil hits the piston, it _____ heat and provides additional lubrication.
5. Oil is delivered to the pistons through a dedicated oil pump or specially routed _____ within the engine.
6. The system is specifically designed to deliver oil as a _____ spray rather than a heavy stream.
7. During engine operation, the _____ of the piston can become extremely hot due to combustion.
8. The oil spray helps reduce this heat through a process called _____.
9. This cooling effect is critical for preventing _____, which can lead to serious engine damage.
10. In addition to cooling, the oil creates a thin _____ on the piston surface to minimize friction and wear.