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Animation Worksheet: New Engine Break-In Procedures

Name: _____ **Date:** _____

1. While most engine break-in procedures are similar, you should always refer to the _____ recommendations for the specific vehicle you are working on.
2. Properly breaking in an engine helps the _____ seat against the cylinder walls, which prevents oil consumption.
3. Before starting the engine for the first time, ensure it is filled with the correct type and amount of _____.
4. Upon the first start, you should check immediately for any _____ of oil, coolant, or fuel.
5. The engine should be run at a _____ _____ (usually around 1,500–2,500 RPM) for the first 20 minutes to ensure proper lubrication of the camshaft.
6. During the initial test drive, it is important to _____ your speeds rather than staying at one constant speed for a long time.
7. Avoid _____ or heavy towing during the first 500 miles of the engine's life.
8. When slowing down, allow the engine to _____, which helps create a vacuum that pulls oil up to the top piston rings.
9. After the initial break-in period (often the first 500 to 1,000 miles), you should change the _____ and the _____ to remove any small metal particles.
10. Following these steps helps guarantee the engine reaches its maximum _____ and performance levels.