

Animation Worksheet: Camshaft & Roller Lifter

Name: _____ **Date:** _____

1. A roller tappet rides on the cam lobe and translates that motion into _____, or up-and-down motion.
2. The _____ is the small wheel at the bottom of the tappet that rides directly on the cam lobe.
3. The highest point on the cam lobe is called the _____.
4. When the roller lifter reaches the highest point of the cam lobe, the valve is fully _____.
5. The _____ ramp gently lowers the lifter to allow the valve to close softly.
6. The shape of the closing ramp is critical for reducing wear and valve _____.
7. The _____ ramp gradually lifts the lifter to start opening the valve gently.
8. The gradual opening of the valve reduces shock and wear on the _____.
9. The lowest point on the cam lobe is called the _____.
10. Engine _____ starts and ends from the point where the lifter rides on the lowest part of the cam lobe.