

Animation Worksheet: Camshaft and Flat Lifter

Name: _____ Date: _____

1. A flat tappet camshaft uses _____ lifters, as opposed to roller lifters, to follow the cam lobes.
2. In a flat tappet system, the bottom of the lifter is flat but slightly _____.
3. The cam lobe has a slight _____ to induce rotation, which helps distribute wear evenly.
4. The _____ is the highest point of the cam lobe.
5. The highest point of the cam lobe represents the _____, pushing the valve to its fully open position.
6. The _____ is the section of the cam lobe that lowers the lifter back to the base circle.
7. The closing ramp controls how _____ the valve closes to prevent excessive stress and noise.
8. The _____ is the portion of the lobe that gradually lifts the lifter off its base circle.
9. The opening ramp is designed to control how _____ the valve begins to open.
10. The lifter transmits motion through the _____ (in certain engine types) to the rocker arm, which then pushes the valve open.