

Animation Worksheet: Displacement and Compression Ratio

Name: _____ Date: _____

1. An engine moves or _____ a certain amount of air, combining it with fuel and igniting the mixture to produce power.
2. During the _____ stroke, the engine pulls air into the cylinder.
3. The engine pushes air out of the cylinder during the _____ stroke.
4. _____ Center (BDC) is the lowest point the piston reaches in the cylinder.
5. Displacement is the volume of the cylinder when the piston moves from the bottom to the _____ of its stroke.
6. Engine displacement is usually measured in _____ or _____ centimeters.
7. The _____ ratio is the comparison between the volume of the cylinder at its largest and its smallest.
8. The largest volume occurs when the piston is at _____ (use the abbreviation).
9. The smallest volume occurs when the piston is at _____ (use the abbreviation).
10. If an engine has a compression ratio of 10 to 1, it means the air-fuel mixture is squeezed into a space _____ times smaller than its original volume.