

**WEST VIRGINIA DIVISION OF HIGHWAYS  
 MAINTENANCE MANUAL  
 STUDY GUIDE  
 CHAPTER 8**

#	ANSWER	QUESTION
1		Fill in the blank: A flexible base constructed of crushed stone, gravel or slag may fail for any one of several reasons. Among these reasons are: 1) faulty gradation of the aggregate; 2) insufficient thickness of the base; 3) weakness of the subgrade on which the base rests; and 4) base saturation resulting from inadequate drainage. The _____ cause of failing base is generally inadequate drainage.
2		True/False: An unnecessary step in repairing a pothole is to square up the hole. A power saw, powered rotomill or grinder suitable for cutting asphalt or concrete, an air hammer fitted with a spade bit, or as a last resort, an axe can be used for trimming the hole. The sides of the hole must be almost _____.
3		Fill in the blank: A tack coat is a very thin uniform application of liquid asphalt to an existing paved surface. The purpose of a tack coat is to obtain a surface to which a new course of asphaltic concrete will _____ firmly.
4		Fill in the blanks: A surface treatment may be used to give new "life" to the surface of a road. A surface treatment performs the job of _____ a road surface, _____ the life of a dry and brittle asphaltic surface, and provides a _____ surface for the road.
5		Choose the best answer: The main advantage in using a hot-mix material is that it will provide a _____ patch when properly installed in a bituminous concrete or portland cement concrete pavement. A.) temporary, B.) rough, C.) permanent

EMPLOYEE NAME: \_\_\_\_\_

DATE COMPLETED: \_\_\_\_\_

SUPERVISOR: \_\_\_\_\_