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**HOLIDAY HOME WORK 2014**  
**CLASS IX**

1. Can an object have zero displacement and nonzero distance? Explain.
2. What type of motion is exhibited by a particle moving with constant velocity?
3. Classify the following into uniform and non-uniform motion  
( a ) A ball thrown upwards vertically ( b ) A bus approaching a bus stop ( c ) A ball rolling down an inclined plane. ( d ) A train traveling on a straight track with constant speed
4. An object is dropped from a height of 50m . If it rebounds to a height of 5m on touching the ground What are its displacement and distance traveled?
5. A train starting from rest attains a speed of 50km/h in 10mts .Find its acceleration.
6. Can the velocity of a body be non zero while its speed is zero? Explain .
7. NCERT text book activities 8.5 , 8.6 , 8.7