

Name _____ Period _____

Physics Motion Quiz 1

1. Suppose that you are starting in your car in downtown St. Paul. You are near the Capitol where Interstate 94 and 35E merge together. Your driving goal is to go to Wisconsin Dells, 207 miles away. Today because of clear traffic and good weather you are able to set your cruise control to 65 miles per hour. How long will it take you to get to Wisconsin Dells?

2. Now suppose that instead of getting on Interstate 94 heading east you instead ended up on I-35E going south and because of traffic can only travel at 55 miles per hour. Where will you be if you drive for the same amount of time it would have taken you to get to Wisconsin Dells?

3. Why is direction important when considering physics?