Name _____

On Track Learning

Quiz: Designing cars for speed and distance

According to accident scene investigator, Rolin Barrett, “we have to be careful when we try to design a vehicle that is a best in all situations such as the fastest, covers the greatest distance, safest, etc. Because the compromises that will need to be made will likely result in a vehicle that won’t meet any the objectives very well. So we want to focus on the area that is most important to us. If it happens to be speed or distance then we need to focus on one and not so much on the other.”

1. If you were going to focus your design on creating a vehicle that would travel the greatest distance, what are some design features you would include?

2. If you were going to focus your design on creating a vehicle that would be the fastest over a short distance, what are some design features you would include?