

Name - \_\_\_\_\_

Start time - \_\_ : \_\_

End time - \_\_ : \_\_

Explain the difference between scalar and vector quantities in the context of motion.

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Describe the difference between positive acceleration, negative acceleration (deceleration), and zero acceleration.

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Calculate the acceleration of a car that increases its velocity from 20 m/s to 40 m/s in 10 seconds.

Describe a real-life scenario where an object might have constant speed but changing velocity.

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Discuss why understanding speed, velocity, and acceleration is important for predicting and analyzing motion.

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