Force, Motion and Energy

Write the letter of the correct answer inside the box.

_____1. Which of the following is a scalar quantity?

a. Acceleration
b. Displacement
c. Speed
d. Velocity

_____2. Which unit is used to express acceleration?

a. m/s^2
b. m^2/s
c. km/h
d. km^3/h

_____3. Acceleration is the rate of change of:

a. displacement
b. position
c. time
d. Velocity

LIVEWORKSHEETS

Analyze the problem. Put your answer in the provided space.

A car travels 200 m east for one minute, then heads northward and traverses 100 m for 20 s

What is the total distance traveled by car?

_____

What is the car's displacement?

_____

What is the average speed of the car?

_____

The car traveled faster heading north than it did heading east. True or False?

_____

Science 7

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