

Answer on Question#40937 – Physics - Mechanics | Kinematics | Dynamics

In which one of the following situations does the car have a westward acceleration?

- (a) The car travels westward at constant speed.
- (b) The car travels eastward and speeds up.
- (c) The car travels westward and slows down.
- (d) The car travels eastward and slows down.
- (e) The car starts from rest and moves toward the east.

Solution:

To have westward acceleration car must move in west direction and speed up, or move in opposite direction (eastward) and slow down. Thus, the answer is (d).

Answer: (c) The car travels westward and slows down.

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