

**Answer on question #52041, Physics, Quantum Mechanics**

**Question** Which of the following statements is correct?

- An object can have a constant velocity even though its speed is changing
- An object can have a constant speed even though its velocity is changing
- An object can have zero acceleration and eventually reverses its direction
- An object can have constant velocity even though its acceleration is not zero

**Solution** Following statement is correct:

- An object can have a constant speed even though its velocity is changing.

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