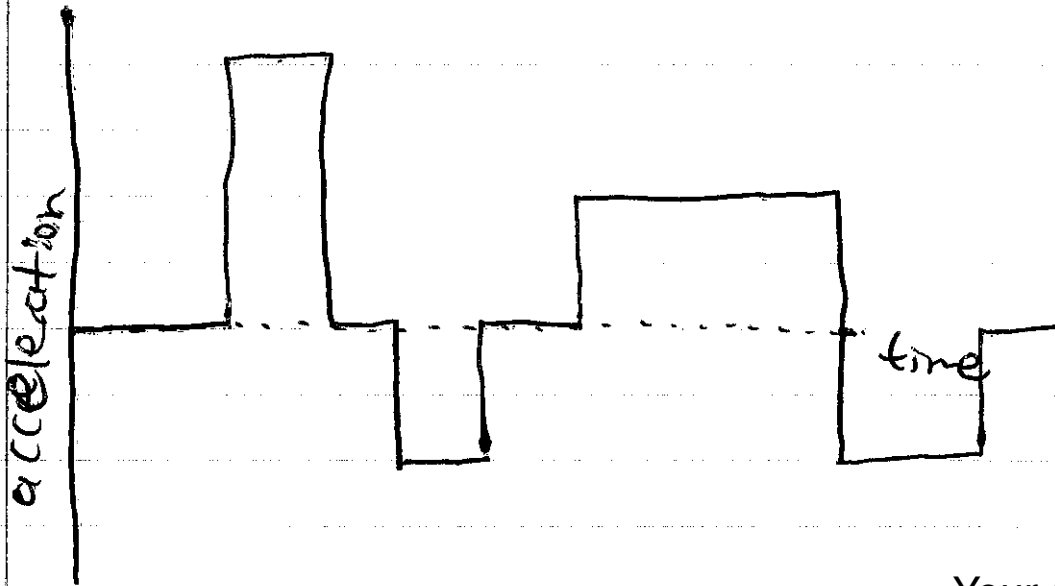


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Acceleration Graph Connections 2



① Write two stories for this acceleration-time graph

Note:

The grading of this quiz will be much more challenging than the level 4 quizzes, as your answers must reflect

many more details about the graph.

① One where an object begins at rest.

② One for an object with initial velocity > 0 .

Your stories should include significant detail, particularly details that show differences in time and magnitude of acceleration between periods.

2. Create a corresponding position-time graph and velocity-time graph assuming that initial velocity = 0 and initial position = 0.

Your graphs must not only show periods of increasing and decreasing velocity, but must indicate how much velocity changes relative to other periods correctly.

3. Create a corresponding position-time graph and velocity-time graph assuming that initial velocity > 0 and initial position = 0.

Your graphs must not only show periods of increasing and decreasing velocity, but must indicate how much velocity changes relative to other periods correctly.