Part 1:

A boy throws a ball upward, as illustrated in the figure. Answer the following questions to gain a better understanding of this motion

Question	Your answer
What is the acceleration of the ball as the boy throw it?	
Did the boy give the ball initial velocity?	Yes / No
What happens to the ball speed during its motion up?	Increase / Decrease
What is the direction of the ball speed during its motion up?	Up / Down
What is the speed of the ball at the maximum height?	
What is the direction of the ball speed during its motion down?	Up / Down
What happens to the ball speed during its motion down?	Increase / Decrease

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