

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