











What is y velocity when it returns to cliff level?
-7 m / s (this is conceptual. . .no math needed)

•Maximum height above cliff? > Time to maximum height is 0.72 sec > $V_{iy} = 7.0 \text{ m/s}$ > $a = -9.8 \text{m/s}^2$ $\Delta y = V_i t + \frac{1}{2} a t^2$ $\Delta y = (7.0 \text{m/s})(0.72 \text{s}) + \frac{1}{2} (-9.8 \text{m/s}^2)(0.72 \text{s})^2$ $\Delta y = 2.50 \text{ m}$





