

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

Unit 5 - Physics of Roller Coasters Test Review

- (a) B - bottom of the hill
(b) C & F - same height
(c) B - lowest point
- (a) $PE = mgh = (0.056)(9.8)(1.0\text{m}) = 0.55\text{J}$
(b) $PE_{\text{top}} \rightarrow KE_{\text{bottom}} = 0.55\text{J}$
(c) $v = \sqrt{\frac{2KE}{m}} = \sqrt{\frac{2(0.55)}{0.056}} = 4.4\text{ m/s}$
- (a) Superball - bounces higher
(b) Bottom - point B
(c) At both extremes - point A and C
(d) At bottom - KE relates to speed
- (a)

(b) $k = \frac{\Delta F}{\Delta x} = \frac{F_2 - F_1}{x_2 - x_1} = \frac{5 - 0}{0.5 - 0} = 10 \frac{\text{N}}{\text{m}}$
- Length
- (a) side-opening parabola
(b) 1.0m (trace along y value and find x)
(c) 3.1 sec (trace along x value and find y)

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