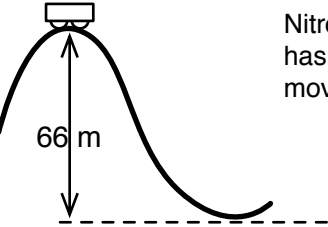


Cycle 22 Work & Energy

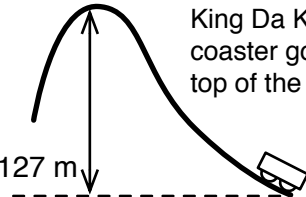
3 GPE, KE and EPE



Nitro is a roller coaster at Great Adventure. It's first hill has a drop of 66 m. How fast should the coaster be moving at the bottom, assuming it starts from rest?



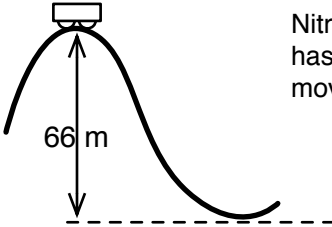
To load a spring loaded TPL you push a 0.1 kg dart in 0.2 m. The spring constant is 400 N/m. How high can it launch the dart?



King Da Ka launches a coaster at about 57 m/s, then the coaster goes up a 127 m hill. When the coaster reaches the top of the hill, how fast will it be going?

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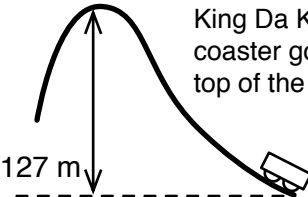
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