#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

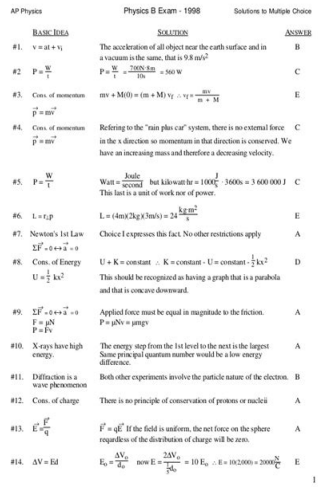
wtf this great ebook for free?!

#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



AP Physics — Physics B Exam - 1998 — Solutions to Multiple Choice

	Basic Idea	Solution	Answer
#1.	$v = at + v_i$	The acceleration of all object near the earth surface and in a vacuum is the same, that is 9.8 m/s²	B
#2.	$P = \frac{W}{t}$	$P = \frac{W}{t} = \frac{700N \cdot 8m}{10s} = 560\,W$	C
#3.	Cons. of momentum $\vec{p} = m\vec{v}$	$mv + M(0) = (m + M)\,v_f \therefore v_f = \frac{mv}{m + M}$	E
#4.	Cons. of momentum $\vec{p} = m\vec{v}$	Refering to the "rain plus car" system, there is no external force in the x direction so momentum in that direction is conserved. We have an increasing mass and therefore a decreasing velocity.	C
#5.	$P = \frac{W}{t}$	$\text{Watt} = \frac{\text{Joule}}{\text{second}}$ but kilowatt hr = $1000\frac{J}{s} \cdot 3600s = 3\,600\,000\,J$ This last is a unit of work nor of power.	C
#6.	$L = r_\perp p$	$L = (4m)(2kg)(3m/s) = 24\,\frac{kg\,m^2}{s}$	E
#7.	Newton's 1st Law $\Sigma\vec{F} = 0 \leftrightarrow \vec{a} = 0$	Choice I expresses this fact. No other restrictions apply	A
#8.	Cons. of Energy $U = \frac{1}{2}kx^2$	$U + K = \text{constant} \therefore K = \text{constant} - U = \text{constant} - \frac{1}{2}kx^2$ This should be recognized as having a graph that is a parabola and that is concave downward.	D
#9.	$\Sigma\vec{F} = 0 \leftrightarrow \vec{a} = 0$ $F = \mu N$ $P = Fv$	Applied force must be equal in magnitude to the friction. $P = \mu Nv = \mu mgv$	A
#10.	X-rays have high energy.	The energy step from the 1st level to the next is the largest Same principal quantum number would be a low energy difference.	A
#11.	Diffraction is a wave phenomenon	Both other experiments involve the particle nature of the electron.	B
#12.	Cons. of charge	There is no principle of conservation of protons or nuclei	A
#13.	$E = \frac{F}{q}$	$\vec{F} = q\vec{E}$ If the field is uniform, the net force on the sphere regardless of the distribution of charge will be zero.	A
#14.	$\Delta V = Ed$	$E_0 = \frac{\Delta V_0}{d_0}$ now $E = \frac{2\Delta V_0}{\frac{1}{2}d_0} = 10\,E_0 \therefore E = 10(2000) = 20000\frac{N}{C}$	E

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