

	A	B	C	D	E	F
1	<b>AP Physics 1</b>					
2	<a href="https://apcentral.collegeboard.org/courses/ap-physics-1/exam/past-exam-questions">https://apcentral.collegeboard.org/courses/ap-physics-1/exam/past-exam-questions</a>					
3	<b>FRQ hyperlinks</b>					
4	<b>2015</b>	<a href="https://secure-media.collegeboard.org/digitalServices/pdf/ap/ap15_frq_physics_1.pdf">https://secure-media.collegeboard.org/digitalServices/pdf/ap/ap15_frq_physics_1.pdf</a>				
5	<b>2016</b>	<a href="https://secure-media.collegeboard.org/digitalServices/pdf/ap/ap16_frq_physics_1.pdf">https://secure-media.collegeboard.org/digitalServices/pdf/ap/ap16_frq_physics_1.pdf</a>				
6	<b>2017</b>	<a href="https://apcentral.collegeboard.org/media/pdf/ap-physics-1-frq-2017.pdf">https://apcentral.collegeboard.org/media/pdf/ap-physics-1-frq-2017.pdf</a>				
7	<b>2018</b>	<a href="https://secure-media.collegeboard.org/apc/ap18-frq-physics-1.pdf">https://secure-media.collegeboard.org/apc/ap18-frq-physics-1.pdf</a>				
8	<b>2019</b>	<a href="https://apcentral.collegeboard.org/media/pdf/ap19-frq-physics-1.pdf">https://apcentral.collegeboard.org/media/pdf/ap19-frq-physics-1.pdf</a>				
9	<b>2021</b>	<a href="https://apcentral.collegeboard.org/media/pdf/ap21-frq-physics-1_1.pdf?course=ap-physics-1-algebra-based">https://apcentral.collegeboard.org/media/pdf/ap21-frq-physics-1_1.pdf?course=ap-physics-1-algebra-based</a>				
10	<b>2022</b>	<a href="https://apcentral.collegeboard.org/media/pdf/ap22-frq-physics-1.pdf">https://apcentral.collegeboard.org/media/pdf/ap22-frq-physics-1.pdf</a>				
11	<b>2023</b>	<a href="https://apcentral.collegeboard.org/media/pdf/ap23-frq-physics-1.pdf">https://apcentral.collegeboard.org/media/pdf/ap23-frq-physics-1.pdf</a>				
12	<b>2024</b>	<a href="https://apcentral.collegeboard.org/media/pdf/ap24-frq-physics-1.pdf">https://apcentral.collegeboard.org/media/pdf/ap24-frq-physics-1.pdf</a>				
13						
14	<b>Question Topics</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
15	<b>2015</b>	systems of bodies	circuit	air track, spring, block energy	projectiles	strings, resonance, wave speed
16	<b>2016</b>	incline , rolls wo/slipping	elastic bounce	speed bump ramp	circuit	vibrating vertical rope
17	<b>2017</b>	circuits, power	friction	collision [rod-disk], rotational inertia	ramp design	pulse interference
18	<b>2018</b>	gravitation, satellite orbit	resistivity	angular kinematics/dynamics	waveform graphs	vibrating spring/blocks system
19	<b>2019</b>	vel-time graph, collision, L	systems of bodies	projectile launcher experiment	circuit, motor, power	tube resonance
20	<b>2021</b>	angled projectile release	linear forces on a rod, linearizing parabola	experiment-momentum, inelastic collision	incline, cylinder wo/slipping vs block	pulley, torque, system of bodies
21	<b>2022</b>	systems of bodies, pulley, spring	gravitational forces, satellites	moment of inertia wheel, experiment. Energy	collisions: clay vs rubber sphere, range	vibrating vertical spring, k, energy
22	<b>2023</b>	KE and Eleastic potential energy	incline, acc, experiment, determine g	circular motion, spring, block	pulley with inertia, angular motion, I	torque, KErot, angular dynamics
23	<b>2024</b>	energy, vertical circular motion	vertical spring, k, horizontal oscillation	beam with diagonal string, tension, $\alpha$	pensulum, gravitation, period	elastic collision, graph x vs t
24						
25	<b>Solution hyperlinks</b>					
26	<b>2015</b>	<a href="https://secure-media.collegeboard.org/digitalServices/pdf/ap/ap15_physics_1_sg.pdf">https://secure-media.collegeboard.org/digitalServices/pdf/ap/ap15_physics_1_sg.pdf</a>				
27	<b>2016</b>	<a href="https://secure-media.collegeboard.org/digitalServices/pdf/ap/ap16_physics_1_sg.pdf">https://secure-media.collegeboard.org/digitalServices/pdf/ap/ap16_physics_1_sg.pdf</a>				
28	<b>2017</b>	<a href="https://secure-media.collegeboard.org/ap/pdf/ap17-sg-physics-1.pdf">https://secure-media.collegeboard.org/ap/pdf/ap17-sg-physics-1.pdf</a>				
29	<b>2018</b>	<a href="https://secure-media.collegeboard.org/ap/pdf/ap18-sg-physics-1.pdf">https://secure-media.collegeboard.org/ap/pdf/ap18-sg-physics-1.pdf</a>				
30	<b>2019</b>	<a href="https://apcentral.collegeboard.org/media/pdf/ap19-sg-physics-1.pdf">https://apcentral.collegeboard.org/media/pdf/ap19-sg-physics-1.pdf</a>				
31	<b>2021</b>	<a href="https://apcentral.collegeboard.org/media/pdf/ap21-sg-physics-1.pdf?course=ap-physics-1-algebra-based">https://apcentral.collegeboard.org/media/pdf/ap21-sg-physics-1.pdf?course=ap-physics-1-algebra-based</a>				
32	<b>2022</b>	<a href="https://apcentral.collegeboard.org/media/pdf/ap22-sg-physics-1.pdf">https://apcentral.collegeboard.org/media/pdf/ap22-sg-physics-1.pdf</a>				
33	<b>2023</b>	<a href="https://apcentral.collegeboard.org/media/pdf/ap23-sg-physics-1.pdf">https://apcentral.collegeboard.org/media/pdf/ap23-sg-physics-1.pdf</a>				
34	<b>2024</b>	<a href="https://apcentral.collegeboard.org/media/pdf/ap24-sg-physics-1.pdf">https://apcentral.collegeboard.org/media/pdf/ap24-sg-physics-1.pdf</a>				