The preparation 2 for the short tests about Mechanics A, B and C

1. Use the words from the box in the right position in the sentences:

geometry	properties	acceleration	motion	analysis
(force and torq	ue, or "moment")	that is concerned with acting on physical system her, are in static equilibriu	ems that do not e	experience an
		sics, developed in clas- points, bodies (objects),		
objects) without is often referre branch of math	d to as the "	points, bodies (objects), sees that cause them to mo of mo	ve. Kinematics, as a tion" and is occasion	field of study, nally seen as a
relationship be	tween motion of bodie	ynamics, or more briefly es and its causes, namely es, particularly mass and r	the forces acting on	
1	is a subfield	y space in the sentence: I of physics that describes	s the motion of point	s, objects, and
		g the forces that cause the		
2. loads (force an with their envir	d torque, or "moment	branch of mechanics that ") acting on physical sys	is concerned with t tems that are in stat	he analysis of ic equilibrium
3	is concern	ed with the relationship	between motion of	bodies and its
3. Write:				
Fluid dynamics	s is divided into:			
1.				

4. Match the word with its definition:

rigid body dynamics
fluid dynamics
hydraulics
hydrostatics
compressible flow

A	is the branch of fluid mechanics that studies "fluids at rest and the pressure in a fluid or exerted by a fluid on an immersed body".				
В	studies the movement of systems of interconnected bodies under the action of external forces.				
C	is a subdiscipline of fluid mechanics that describes the flow of fluids—liquids and gases.				
D	is the branch of fluid mechanics that deals with flows having significant changes in fluid density.				
Е	is a technology and applied science using engineering, chemistry, and other sciences				

Answers:

1.	
2.	
3.	
4.	
5.	
	1