Projectites Overy body gravitates to the Contrar of the Dark in un one proportion to the ogeneracy est sostance from the lane .. All hunter frage tes for my? Burth was certain to a some against grandy Shalow Velocity a Gen By by garmen or gewin and of be themon expensed o wire derna Vilonty et wice loss and much in the committeens. Buten Hall toy through the sains roots eng modern rach Sed Class prosts 120

6 their quantities of matter. The hought to wheal projected bodies will rises is expended to the Square of the Valorety of their projection. A honory body goverlates to the Barth at the motor of 16 Gest I hoch in a second out the Equalor only 16 hoot. a Many body Garanoney mofood in it of a formed. 4 feel in ha decond our de 16 gal in a second homes the spaces perfect over by bodies movery by grantly on as the sycurry the tomes of their falling from "wet /

Grow rest and with he ses follows

Ternes of fulling	Grand day	Katherinkla
-1-	1.0	× 10
2	3	4
3	5	9
4	1	16
	/ 3	at there

This motion is uniformly in according to a grand the inflation for second to inflation for second the motion of 32 feet for second time in hearing the Highton

uponos with a nation uniform The VIX - 1- 2 J\_ U \_ J 22 16 ly retorded. Honey other direction it, describes a foraliste - Thathe Ha leady he projected in or, Duffraction of the South's war line not perpondiencour to the teon, are bades therown performs Homizon, comment desiretion, decularly experiends describer Ciorar and this line wiest be farabolas. a paralole facilies compred If the line of the deroction and of an enform materin of of any body projected from the Trontations, and accompand Carto befores the angle formed motion of Brojections. by the vertical line, and line A honory hody mear the the Hand it were down to the Aurgoros of the South Hace greatest Parcebola profetice of w with a motion which is unifrary that place de will be forgates Occilmented Il projected desarty refrence box

in an angle of 450 the some degrees of Elevotions If two balls are thrown as but thrown with difformt defound Elevations with the relaceties, are as the squares of some velocity. the one owners Hallotosters .aline 15% on the other below This Thong of Projections 15: The harigantal distances. wete not be found for formubee al moundaring where they both to proceed a butted shat in gall will be the same; the Such a derection as executing to handit a body will rive to , this thosey of projectiles it when thousand par from toutarty anight to describe a fineralate afroands is ogual to hoof the meeting the felo no from greatest horizontal Distorne Whome of was show at 1100\_ that can be thousen to with good Distource will one pronch the same velocity in the 6790. The reason of this airia random of two projections having ting is the friction with the air

are and the granter the voising communicated to the Bandelin of the Arady projected, and the - A medanty of - 16/19 to donsor the air the greater win To B \_\_\_\_ Isky de be the direction. To C \_\_\_\_\_\_\_1428 de The conceler, also thousing The Pondulum B Kan 123 the butter the granter in free feel lof Volarity thorn A: The fortion wile be the Diminution fromder Como C. hore 120 foot of the motion by the air lefother B. Now nort eners An Coparismont care made found by Comfentation Hore to desconer the Colonery with 1/32 of or second was the line which a bullet maned by en which the butat were Jung it Conductions set, promed of som A 6 Band in P 25: d \_ 50 = d \_ 50 - d \_ C this time it last or velocity of 123 feet in a second it would ABular fired from P\_ last a aclarity of 393 foot General Communicated

Gravity to his from thelody Matter a velority of 32 for 12 inches Motion as preserved and contin for second, the resistance of new by the Inter Dof miller the air was thought great communicated by its bigets to be 121 to me the enight of emporations diding send meddented the Bullet which was four by its grantation. The berrae therefore Hamiltone of a formery, described by a burne wice wood be struck the wholemore not be a postato bellion hely water be struck a fact of it wonly put in motion. gale within a parabolas Communication of insteam and the fator part of the may be produced inthemet in Come esté les more bant - don't protocol, we have oftener thou the begining of its constances of thetal thomas fits 0 production any other every? witing Maller.

Wetness Granty. may be thought not to resome Colosion asincle as general Travely er and respect, leaders appears to be a form Granity being defearated free logother by is a love which gener weight, that grandetation, but bootion Coharm is a fore which gives deporated in their parts danse solidity, Wand hoing Much again bahoro, this is howover ex not all fort in motion for only an apparent distinction, el decent Chero. desad is all as we good bodies which certainty moded by a Strock through to colore again when broken the medicin of Chasenin. of they were brang he by professes Cohesini is a force which sufficiently new each other resuses other forces, the feares of Grandy proces motion a precional cond do mot deporate or recharge of Mations, and the surper de und and upon Chesion does the same, foliation by the form of growing perhaps is well on growing arts or to a distance

misteries, every well ( Mady cores stremels in a fortare Ologhan if Gare is affile is to let, without breaking and This Bolownill form is to mand et ince reaferme de former. demensions. This is Etasticity. and it is not ouring to one, altraction of the shape of the Particles of Booling, level to our absolute change of, distance between there. Ha Morning be garantly bent ento a bear the particles of the ensides close upf

up on each other, and those and he milion dero drawn to a greater distance a fresidens when the force is tocher away the Morning Interior to ets former strape, and this et does by mount of they repulsion of the interes and the altractions of the outseld particles of the mostler of, which it is compared bolisis evidently laties place between Leve present folished Confe whom propod together, this does not dofiend on the ewoughth

everythe of the air, for the, Danie many be above and then Jecres of metare and other, cubotomer when brought Colofotogether weed inter he, Grand to colore. The parts of glands round ly Labore, and this force also arets information at a, dutaria, their we los a Droft of water a ferme almoige oc, Of house form, this dies the Coliver alary outs out of Distance, if it suit not the Dorf would not he of tweelf

of house, it would form or, map indeed best every drope would be oqually indely wants With boheren of blinds le solide is also racry condant on this Depender Capilladry attrac =lion. I' In vory Cofileway Tubo, the hought to which water well Sportanoously ordered is the Diamotes of the Subser Buty Se is gound bey, Safrering the the Olivaria trois of the whole containing

a surface of a Capillary Julio is not of course of the waters suspinsion. 39 The news Course A, the sufferit is the all metion of the Choupling or rather of this small annular forter of the end of the Seles to Which the offer surface of 1. Water is bandiguous and Solones . the growing of the water being Counterwelled by The attraction of the Pherips with which its upper surface is in farifact; must neceporally ?

neceparity ruse parily grown the forefree of this Storymet Water, and partly by the attraction of the Porifory comediacely above there which is contiguous to it. 4thy Me Porgery and the bolien we sur franded our both in the some proportions is the Diornoter of the Vulen. Dr. Cherry Olice In In some measure across. Riso of Dafrontries, also defor & on this forme Glass does not altract, Coxlor &

water at a greater distance than the 10,000 feart of envinch. If the ond of a got some be immorsed in a bosson of Tronciony, the more very wite doon reso lega fafillorgaltino - tion to the top of the wire and the won ince the Speci into fuccos. This Soporation of the Particles of Good by the glaid accounts for Chernical salition ufrom Orechon mone forescipe. A governo Reportsion and

well as attraction is going 6 subsist between different bodies. Theis a mode ordens whom wooder wie it is worldy flies tround informe water, and this afferds noperiorine former of todies of goods ses the rorson for the biolion parts of birdion not and having wee proposed int a free sufficient to vacacione 1. The particles of martion Simple all race al ano distance, and refute abount Whomasoles body profes intex

ento a Affind State et in free base that the fire priotes over cherryed by the alworks tion of Jacon heart, from a greater Dognor to a Defs degree of attraction, by the alticution of their distances. Thered are comfortober as well as solids, and Den Carolan how good Most, Wollow is do to a contact daying the the placenterie or firement scores to prove the fortrateg. . His laws de Clarticity of my contain hoght, as miles discovered out 1509 . below mong hope

nought of haractice, Soule. it would become solid , The defforant actions therefore of the particles of, matter whom work defrond who their distances, and it is the variation of the refere which alethe Thoronor of Altraction and refreelsears defonds, then weeter at a, cordani distanto is attracted by the Barth in breus, its particles refiele each other, in water they attract to a collected degrees, in the state mow, and

in outpour they refere again, Glaf at a contocon de tarne albunds Glorge at another noproceed. Oil weather drupale Mater, here the mast studing construence of these portections as found in Ser James Nautine But Books on after, whow he montions his discovery that light was seller mately sellimited and referend War 14 lines by the Cologe of a Hunder and that more of these trapels wint at) alliactions took folice at a distance exceeding the Bride Just

being performed quickers on the top of a mountain Mine they accepted recording to thestato This horas 3 is an infair confusion, themp of matter in the mountain tind doublefy a moderior office lufum the por deline it was very of you train a Surpassion which was corn carrier of eigene heropetichen the surface of the Sen , and title the yeardery of mosternow the Anountain he discovered and and allowance made for it mode from - and is to be made upon the weeker. Charles related ... Tooland 200 com well freefrenty offered there are Janocelin &

produtem may anon vibrate quichur, on the top of a mountain there at the bottom, as the sufare was hoonly of this air into mise Thous recomposed the lofe of the Color of I provotation at to, dimete dela from the Daris. Soudelums of the some mother and some long the orbiner squarey Which show that are matter, Whatsomer Gracitates ... Theory of Machines. In very Machine we sufferes me power offering a nother, the work performed as found by dividing the Orline produced by

the time of its productions, and, whose the operations is less.

All Simple ( machines maybe reduced to the Acow \_ Pully crulined plane was wiedy - the what and ave is bound - ? Decor Surveyene Comos, and the Adrewer a Composition of the Wheel and of the land of ... The Bully may be orplained on the Breverfer of the Ower con Sidering the Guteren as that found of the fully to which the suppose es find.

Consequently E were Calario F.