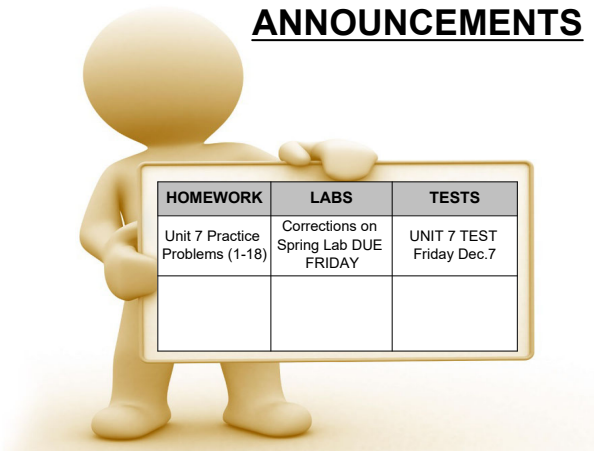
ANNOUNCEMENTS



HOMEWORK	LABS	TESTS
Unit 7 Practice Problems (1-18)	Corrections on Spring Lab DUE FRIDAY	UNIT 7 TEST Friday Dec.7

7.6 Connected Objects

LEARNING TARGETS

7.3	I can define, analyze, and solve dynamic problems involving tension forces and connected objects.

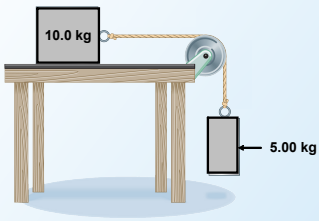
Connected Objects

8) A 10.0-kg block slides on a frictionless tabletop. It is connected to a string that passes over a pulley and suspends a 5.00-kg block.

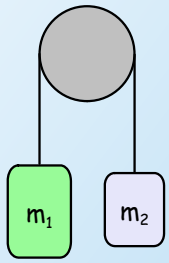
9) Two blocks, one of mass 0.270 kg and the other of mass 0.250 kg, are tied together with a massless rope. This rope is strung over a massless, resistance-free pulley.

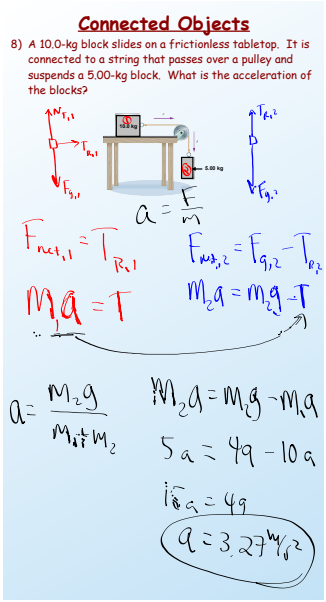
Connected Objects

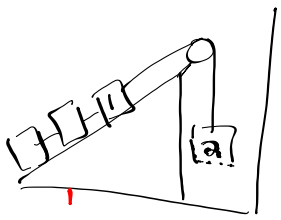
8)



9)

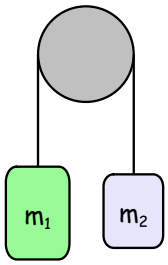






Connected Objects

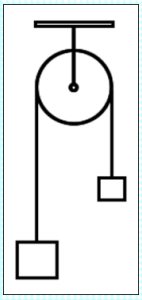
9) Two blocks, one of mass 0.270 kg and the other of mass 0.250 kg, are tied together with a massless rope. This rope is strung over a massless, resistance-free pulley.



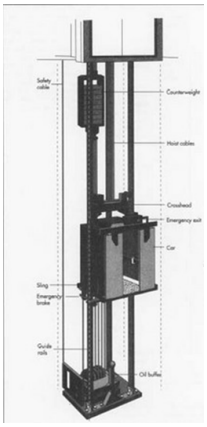
George Atwood

1745 - 1807

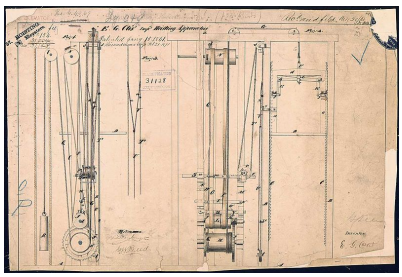
Atwood

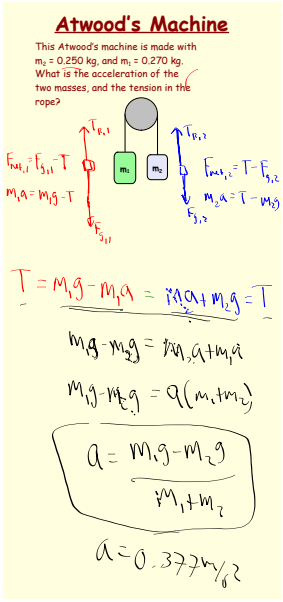


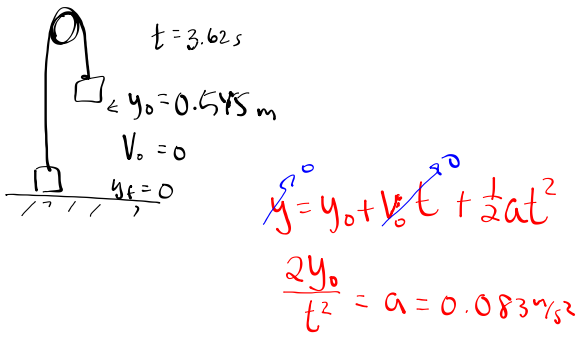
An Atwood's Machine is made with two hanging masses connected by a string that passes over a pulley.



Elevators





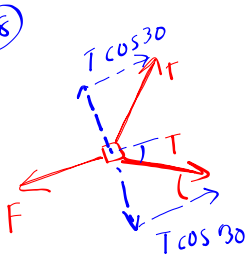


PRACTICE

UNIT 7 PROBLEMS

(19-20)

(18)



$F = 2T\cos 30$

$F = 2(mg)\cos 30$

$T = F_{g,m}$

$T = mg$