

School				Mark (10)
Name		HKID		
Class (No.)		Date		

DL1 Atwood Machine

Answers to Preview Questions

- _____
- _____
- _____

Experiment 1 Keeping the mass constant and varying the net force acting on the Atwood machine

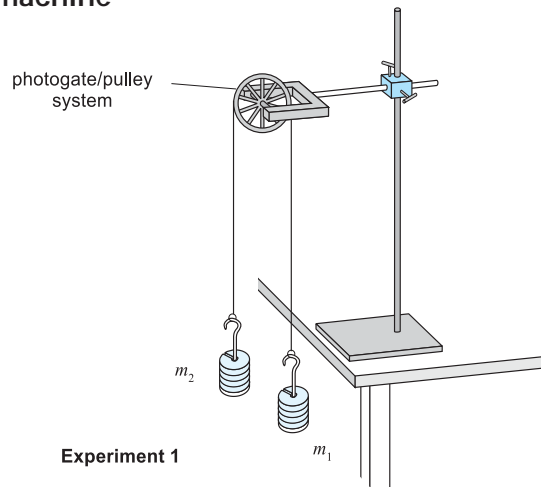
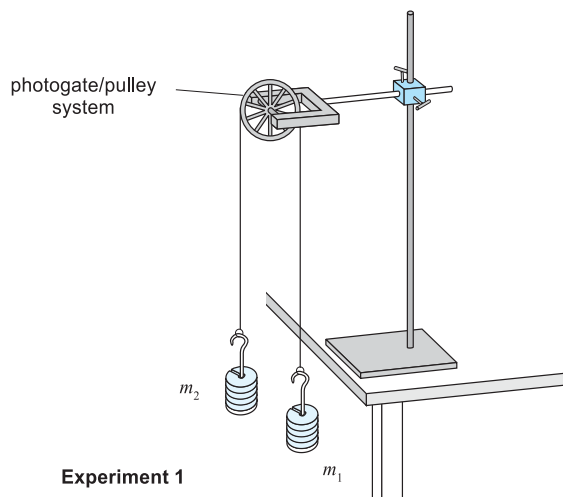


Table 1

Trial	1	2	3	4	5
m_1 ()					
m_2 ()					
a_{expt} ()					
F_{net} ()					
$m_1 + m_2$ ()					
a_{theory} ()					
percent difference					

Plot of a_{expt} against F_{net} for constant total mass

Experiment 2 Keeping the net force constant and varying the total mass of the Atwood machine



Teacher's Remark

Table 2

Trial	1	2	3	4	5
m_1 ()					
m_2 ()					
a_{expt} ()					
F_{net} ()					
$m_1 + m_2$ ()					
$1/(m_1 + m_2)$ ()					
a_{theory} ()					
percent difference					



Plot of a_{expt} against $1/M$ for constant F_{net}

Answers to Discussion

Teacher's Remark

- 1. _____

- 2. _____

- 3. _____

- 4. _____

