SPASH P	HYSICS			NAMES:		
How Fast	Can You Work?					
POWER LAB				PERIOD:		
Purpose:	To calculate yo	ur POWER	(Watts, and	Horsenow	er) in lifting	
	To calculate your POWER (Watts, and Horsepower) in lifting a 3.40 kg mass a distance of 1 meter for three different diameter tubes.					
Procedure	: Diagram & sho	<u>rt ex</u> planatio	on		- Containing	tubes.
	Note 1 HP = 7	46 watts				
Data Table	e:	(calculate)	(measure)	(calculate)	(calculate)	(calculate)
Name	Tube diameter	Work	Time	Power	Power	Power
		(J)	(s)	(Watts)	(Kw)	(HP)
17	small	31.36	K-18	2.07	06767	
N Jale	medium	11	496	3 74	* 000m l	-
104.	large	• •	66	Unk		
	small			7.17		
	medium			-		
	large					
	small					
	medium					
	large					
Calculation	s: (all four calcu	lations) 🚺		KU		
		P		0		
Questions:		•		HT		
	1. Which diame	ter tube did	you have th	ne most pov	ver with and	why?
	2. Comment ab	out your ho	reapower (ic	itubatua		
		out your nor	Schowel (IS	it what you	expected)	<u></u>
onclusion					<u> </u>	
ummary:	1		1	ļ		

1 Kw=1,000W M SS 5 3.24 Im 9.83 P-W-31.365 P-W-31.365 P-2.07 W