P = IV

	Quantity	SI Unit	What it means
			How fast energy changes
P	Power	Watts (W)	form.
			Electrons per second.
I	Current	Amps (A)	
			Energy per electron.
V	Voltage	Volts (V)	

B.1 I have a current of 5 Amps and I have a 12 Volt battery. What is my power?

B.1 I have a current of 5 Amp	os and I have a 12 voit battery. What is my power?
Looking For	Formula
Already Know	
Answer as a complete sentence	oo with unit
Allswer as a complete sentent	So with anti.

B.2 I have a current of 3 Amps and a 30 Volt battery. What is my power?

B.2 I have a current of 37 timps and a 30° voit battery. What is my power:				
Looking For	Formula			
Looking I of	1 Officia			
		i.		
Already Know				
3				
1				
Answer as a complete sentence <i>with unit</i> :				
1				

B.3 I have a 100 Watt light bulb hooked up to an outlet, which means it has 120 Volts. What is its current?

Looking For	Formula		
Already Know		t	
Answer as a complete s	entence with unit:		

B.4 My vacuum cleaner uses 1 Volts. What is its current?	100 Watts, and I hook it up to an o	utlet, which means it has 120
Looking For	Formula	
Already Know		
Answer as a complete sentence	e with unit:	
B.5 I have a 300-Watt device, much voltage does it have?	and I know there is 2 Amps of curr	ent going through it. How
Looking For	Formula	
Already Know		
Answer as a complete sentence	e with unit:	
B.6 I hook up a 4-volt battery, much power does the light bul	and it produces a current of 0.3 And b have?	nps through my light bulb. How
Looking For	Formula	
Already Know		-
Answer as a complete sentence	e with unit:	
B.7 I hook up <i>two</i> 4-volt batter How much power does my light	ries, and it produces a current of 0.6 ht bulb have?	6 Amps through my light bulb.
Looking For	Formula	
Already Know		!
Answer as a complete sentence	e with unit:	

D '	T1	n	P	1 -
B:	ı ne	Power	Formu	ıa

Name		
Ivanic		

- **B.1** 60 Watts
- **B.2** 90 Watts
- **B.3** 0.833 Amps
- **B.4** 9.17 Amps
- **B.5** 150 Volts
- **B.6** 1.2 Watts
- **B.7** 4.8 Watts [remember there are *two* batteries]