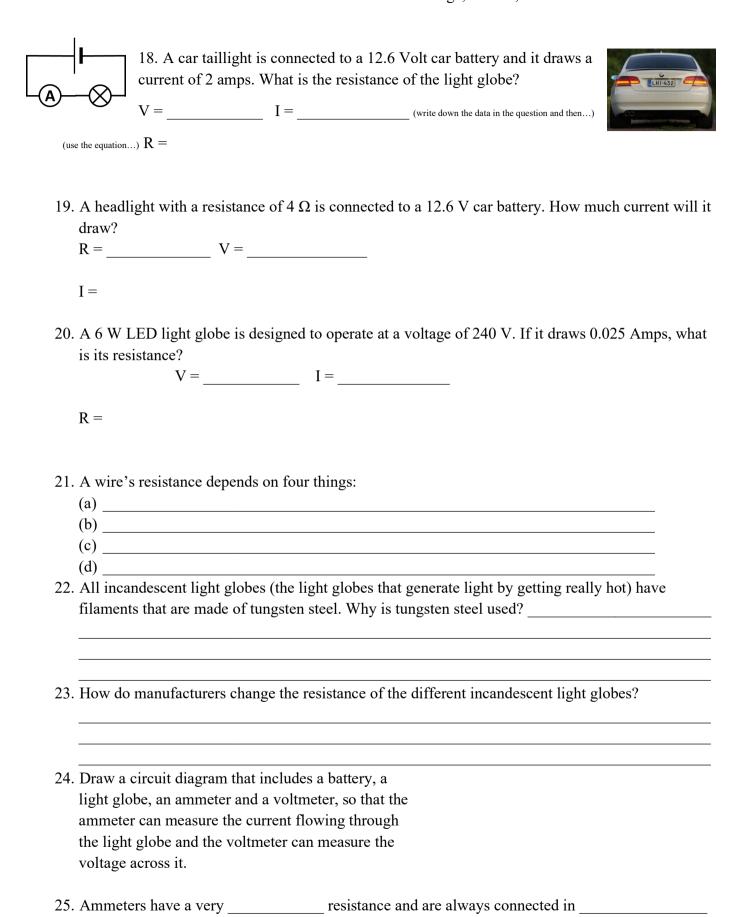
Shedd	g Light on Electricity Episode 4: Voltage, Current, Resistance Na	me:
2. For	tralian homes, the voltage of the power supply is about Volts. given voltage, if one electrical device requires more power than another, it ent.	
	de, and	Examples
4. Sub	nces that electric current can't flow through easily are called	Examples
5. If two	light-globe filaments are connected to the same voltage, the filament that ent more (and therefore has a higher "resistance") will allow more/less current with a lower resistance. A filament with a lower resistance will allow	rent to flow than the more/less current to
in	ypically happens to the electrical current in a circuit if the voltage of the pased?  e is always measured between two points in a circuit. What is it a measure	
8. The	oltage between the two terminals of AA and AAA batteries is	
	does voltmeter V <sub>2</sub> read?	cuit 2 reads 12 volts vere identical, what do 1? coltmeter V <sub>5</sub> : uit 3, reads 9 V (which
	means that the battery is a 9 V battery) and voltmeter V <sub>7</sub> reads 7 V voltmeter V <sub>8</sub> read?  12. If two light globes and a motor were connected in parallel to a (Circuit 4), what would the voltmeters read?  V <sub>9</sub> :, V <sub>10</sub> :, V <sub>11</sub> :, V <sub>12</sub> :  13. In general, when electrical devices are connected in parallel to can be said about the voltage across each one compared to the volt source?	12-volt car battery a power source, what tage of the power
	n that the voltage supplied to houses in Australia is 240 V, what is the voltage and power sockets (which are all connected in parallel)?	tage across <u>all</u> our
15. Br	y describe what electrical resistance means.	
16. Re	tance is measured in and this unit has the symbol	



17. Write down the three variation of the formula that links voltage, current, and resistance.





with the circuit component that you want to measure the current in.

with the circuit component that you want to measure the voltage across.

26. Voltmeters have a very \_\_\_\_\_ resistance and are always connected in \_\_\_\_\_