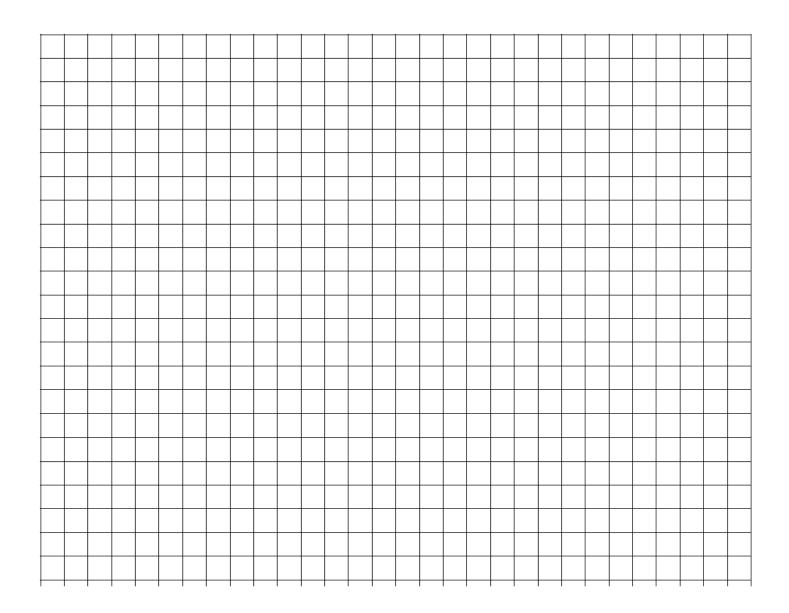
THE HEATING POWER OF THE SUN	ME	_hr
SCIENTIFIC QUESTION:		
What Earth material does the sun heat faster land or water?		
A] HYPOTHESIS: (What is your guess?) / think		
B] PROCEDURE/EXPERIMENT:		
Design and carry out an experiment to determine if the sun heats land or w may or may not need all 5 steps below. Add any if needed on a separate sh		elow. You
1		
2		
3		
4		
5		
D] ARGUMENT: Make a claim about what you have found. What Earth m water? Create a statement of truth that is supported by evidence you foun		and or
E] What parts of this experiment were the controlled variables? (3pts)		
F] What are the potential problems with our experiment? (2pts)		

G] Make a line graph of your data below. Be sure to label the x axis (2pts), the y axis (2pts), make a key to distinguish between the two lines (2pts), and give the graph a good title (2pts)



- **H]** If land heats up faster than water, what will the beach feel like when the sun's waves are hitting it during the day? What will the water feel like?
- I) Which air would be hotter—air above the beach or air above the water?
- **J]** If an air mass is hot, how does it behave? If an air mass is cold, how does it behave?
- $oldsymbol{\mathsf{K}}oldsymbol{]}$ When cold and warm air collide, what do we get?
- L] Will the air on Earth ever get mixed completely and become the same temperature? Why or why not?