Exoplanet Names:	
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Drake Equation In-Class Lab

- 1. Compare your factor tables from the prelab between group members. Your answers to the first three factors should be the same. If they're not, please note any discrepancies below and describe how you arrived at a final value. Fill those values into the table on the next page.
- 2. The last four factors are much more subjective and there should be a range of estimates among members of your group. Describe the range of estimates among your group members and agree as a group on both a "pessimistic" and "optimistic" value for those factors. Describe the considerations that went into each estimate below, then fill in the estimates on the next page.

factor	Range of values among group members	Description of considerations leading to optimistic estimate	Description of considerations leading to pessimistic estimate
f_l			
fi			
f_c			
L			

Exoplanet Names:			
 Fill in your groups' value in the final row. 	ues for the factors in the table below. U	Jse them to compute the	
Factor	Value (with units!)		
$n_{\scriptscriptstyle S}$			
T remember to divide by this!			
f_p			
	Optimistic Estimate (with units!)	Pessimistic Estimate (with units!)	
f_l			
f_i			
f_c			
L			
Final Estimates			
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Followup questions:

1) Which of the factors were the hardest to estimate and why?

2) What did you find most surprising or interesting about this calculation?

Exoplanet Names:				
m	rainstorm 2-3 additional factors that are not included in this calculation but might nake a difference to the final outcome, and explain in a sentence or two each why you nink they might matter. Do NOT use the internet – come up with these on your own.			
	ompare your final answers with another group. Don't redo any of your answers, but xplain: a. The differences between their estimates and yours. On what factors did your estimates differ significantly and by how much?			
	b. What did they think of for (3) that you didn't and do you think their additional factors are important?			