

RUBRIC

	4	3	2	1
Completeness				
explaining how each technique works	All four techniques are described.	Three of the techniques are described.	Two of the techniques are described.	One of the techniques is described.
what kind of planets does each technique best and worst detect?	Described for all four techniques	Described for three techniques	Described for two techniques	Described for one technique
How do the new developments improve our ability to detect extrasolar planets?	Described for all four techniques	Described for three techniques	Described for two techniques	Described for one technique
How do the different techniques complement each other?	Described for all four techniques	Described for three techniques	Described for two techniques	Described for one technique
Quality of analysis				
Limitations and advantages of each technique	Insightfully discusses relevant and supported limitations and advantages	Discusses relevant and supported limitations and advantages	Presents relevant and supported limitations and advantages	Presents limitations and advantages but they are possibly irrelevant and unsupported.

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Conclusions on how the techniques complement each other	States a conclusion that is a logical extrapolation from the reading material	States a conclusion focused solely on the reading material. The conclusion arises specifically from and responds specifically to the material.	States a general conclusion that, because it is so general, also applies beyond the scope of the assignment.	States and ambiguous, illogical, or unsupported conclusion.
Organization and synthesis.	Organizes and synthesizes information to reveal insightful patterns, differences, or similarities related to focus.	Organizes information to reveal important patterns, differences, or similarities related to focus.	Organizes information but the organization is not effective in revealing important patterns differences or similarities.	Lists information but it is not organized and/or is unrelated to focus.
use of additional two sources	additional sources are relevant and enhance the information in the 4 core references	additional sources are relevant and duplicate the information in the 4 core references	additional sources are either not relevant or contradict the information in the 4 core references in a way that does not enhance meaning	additional sources are not relevant and contradict the information in the 4 core references in a way that does not enhance meaning
ethical and legal use of information	Students cite sources in an appropriate manner in all necessary locations.	Students cite sources in an appropriate manner in some necessary locations.	Students cite sources in an inadequate manner or only in some necessary locations.	Students cite sources in an inadequate manner and only in some necessary locations.
Presentation				
How well was the information explained	Required information is stated clearly and described comprehensively, delivering all relevant information necessary for full understanding	Required information is stated, described, and clarified so that understanding is not seriously impeded by omissions.	Required information is stated but description leaves some terms undefined, ambiguities unexplored, boundaries undetermined, and/or backgrounds unknown.	Required information is stated without clarification or description.
Use of specific medium to enhance communication.	The chosen medium was executed in a highly polished manner.	The chosen medium was executed with no obvious flaws.	The chosen medium was used in a way that conveyed the meaning of the material but in a somewhat inaccurate or ambiguous fashion.	The chosen medium was not used in a way that allowed the material to be conveyed.

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effectiveness of communication for a non-specialist audience	The required information and its implications were communicated in a way that is fully understandable by a non-specialist.	The required information was communicated in a way that is fully understandable by a non-specialist but the implications were only partly understandable	The required information was communicated in a way understandable by a non-specialist.	The required information was not communicated in a way understandable by a non-specialist.