# The Color of Plants on Other Worlds

Scientific American—April 2008

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1. Describe the two kinds of photosynthetic biosignatures that might be detectable.

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1. What is the reason why most plants (chlorophyll) reflect green light and absorb blue and red light?

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1. Describe why plants adapted to the above on plant earth (page 52).

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1. What is the main variable that could determine different color pigments used to absorb light?

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1. Why is water most often suspected to be the first place that photosynthesis (and life) originated?

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