



Cover image: The photosynthetic sea slug *Elysia chlorotica* appears like a dark green leaf as a result of retaining chloroplasts from its algal prey, *Vaucheria litorea*, in cells lining its digestive tract. The sea slug has acquired photosynthesis-supporting genes by horizontal gene transfer and can use the chloroplasts to carry out photosynthesis for several months. See the article by Mary E. Rumpho *et al.* on pages 17867–17871. Photo courtesy of Mary S. Tyler.

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