

## Phony photosynthesis could reduce atmospheric carbon

Read the full article at rsc.li/2Gb0t0K

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Scientists in China have recently engineered a protein that can mimic photosynthesis and reduce carbon dioxide. The researchers took a natural photosynthetic protein and adapted it. A light capturing unit was added, together with a sulfur-containing amino acid and a nickel complex that is able to catalyse the reduction of carbon dioxide.





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- 1. Name some other greenhouse gases.
- 2. Give the word equation for photosynthesis. Write a balanced symbol equation.
- 3. What do you understand by the term 'reduction' in a chemical reaction?
- 4. Define the word catalyst and explain how they work.