



## Environmental Sciences: Bioremediation

Paper citation: Cao X, Xiong Y, and Lund J (2013). The effects of micro-algae characteristics on the bioremediation rate of Deepwater Horizon crude oil. J Emerging Investigators 8: 1-7

### Paper questions

*In reading through the assigned papers, please answer the following questions:*

1. What is the question being investigated by the researchers?
2. What was the Deepwater Horizon spill?
3. What are currently the most prominent methods of oil spill cleanup?
4. What were the hypotheses of the investigators?
5. Describe the authors' experimental approach.
6. How did the authors assess crude oil degradation?
7. What were the results of the authors' experiments? Were their hypotheses supported?
8. Which algae species exhibited the highest rate of crude oil degradation?
9. What are some shortcomings of this paper?
10. Propose two follow-up experiments that could be performed given the data presented in this paper.