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Feeling Blue Demonstration Worksheet

Discussion Questions

1. Describe what happened in this demonstration.

2. Methylene blue is reduced when it is allowed to stand undisturbed. However, dissolved oxygen will oxidize methylene blue. Knowing this, what color is methylene blue in its oxidized form and what color is it in its reduced form?

3. Why is there a hint of blue color at the interface between the gas and the solution in the flask?

4. What is oxidation/reduction?

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