

Article 3: Disinfectants

Purpose: While reading the article, consider possible **solutions to the problem** with the Olympic pool in Rio. Look for information in the article that could explain whether the pool is stable or not. What information could **improve pool water stability**?

1. For what reasons are disinfection chemicals used in pools?

2. What effect does UV radiation have on pool water stability?

3. What factors would increase the formation of disinfectant by-products?

4. Why are disinfectant by-products a concern in pool water stability?

5. What are the factors that would cause the system to become stable?