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Bridging the gap between macro and micro: enhancing students' chemical reasoning: how to use demonstration experiments effectively for the teaching and learning of structure-property reasoning

Otter, M. den

Citation

Otter, M. den. (2023, December 6). *Bridging the gap between macro and micro: enhancing students' chemical reasoning: how to use demonstration experiments effectively for the teaching and learning of structure-property reasoning*. ICLON PhD Dissertation Series. Retrieved from <https://hdl.handle.net/1887/3665770>

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Note: To cite this publication please use the final published version (if applicable).

“Chemistry concepts are often different from the concepts we meet in most areas of life. They have no tangible aspect: we cannot relate to what our senses tell us.”

Alex H. Johnstone (1999, p. 46)



Bridging the Gap between Macro and Micro: Enhancing Students' Chemical Reasoning

BRIDGING THE GAP BETWEEN MACRO AND MICRO: ENHANCING STUDENTS' CHEMICAL REASONING

How to use demonstration experiments effectively
for the teaching and learning of structure-property reasoning



Marie-Jetta den Otter