CHEMICAL BONDING

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by
Peter Signell
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1. Procedure .............................................................. 1
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Title: **Chemical Bonding**

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Version: 2/1/2000 Evaluation: Stage B0

Length: 1 hr; 8 pages

**Input Skills:**
1. Vocabulary: quantization, Schrödinger equation, wave function (MISN-0-245).

**Output Skills (Project):**

P1. Construct a lecture-length printed module on the physics of chemical bonding according to the directions in this module’s Text and Local Guide.

**External Resources (Required):**
1. Access to a library and the time to construct a module.

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Our publications are designed: (i) to be updated quickly in response to field tests and new scientific developments; (ii) to be used in both classroom and professional settings; (iii) to show the prerequisite dependencies existing among the various chunks of physics knowledge and skill, as a guide both to mental organization and to use of the materials; and (iv) to be adapted quickly to specific user needs ranging from single-skill instruction to complete custom textbooks.

New authors, reviewers and field testers are welcome.

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1. Procedure

This is a learner-originated unit. You must go to the library (Physics-Astronomy library, Engineering library, or wherever) and look up recent articles about chemical bonding in places like Discover, Scientific American, and Popular Science.

Then construct a module of the usual length (one lecture’s worth) using the materials you have studied.

Feel free to consult any expert who might be available in the subject under study.

Make sure the reader can learn the subject you are presenting just from your printed module alone.

Be sure to give attributions for any material taken verbatim from published material: plagiarism carries a severe penalty in the University.

Your module should be clear and concise. A student of background and level of scientific knowledge similar to yours should be able to read your module to obtain a relatively easy understanding of the subject. For this reason, your module will be judged not only for its content but also for its clarity and for how well it communicates with its prospective audience. To examine relevant communication skills, see Module 69.1

To see how to receive credit for this module, see its Local Guide.

Acknowledgments

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1 “Evaluating while Learning (A Project)” (MISN-0-69)