

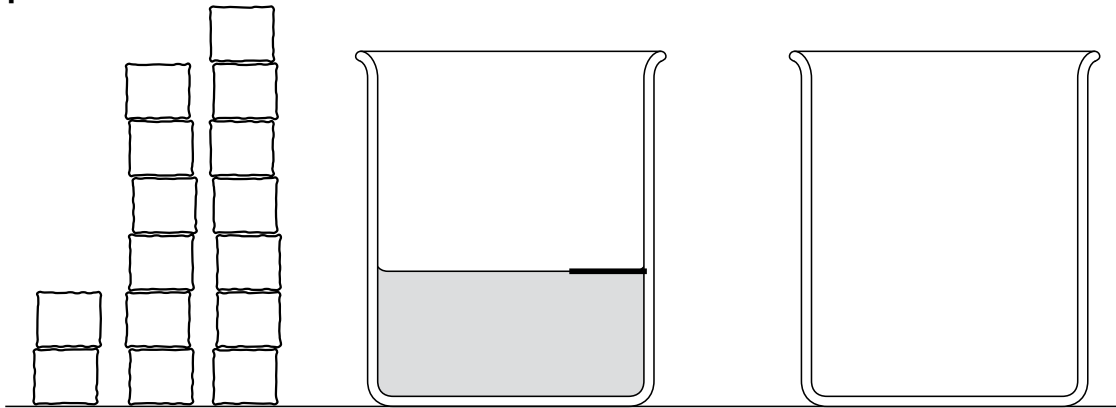


Name: Form:

See pages 12 and 13 of *Dissolving*

Dissolving adds volume

When one substance dissolves in another, it does not disappear, so it must take up space.



Q1. If you put some marbles in a beaker of water, would the level of the water (a) rise; (b) fall; (c) stay the same? Explain your answer.



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Q2. When a crystal dissolves in water, do the particles need (a) the same space as the whole crystal, (b) more space than the whole crystal, (C) less space than the whole crystal?



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Q3. In the diagram above, what was used to mark the level of the water?



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Q4. How can the sugar cubes be made to dissolve quickly in the water?



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Q5. In the empty beaker above, draw the level of the solution when all the sugar cubes have dissolved.



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Q6. When a liquid can hold no more sugar, what happens if you add another cube?



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