

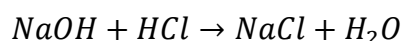
## Good practices





### Template for collecting the best practices of using Poly- Universe for Teacher training purposes / courses

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Description of the problem / exercise: **Good practice 39**

The Poly- Universe tiles in chemistry: The Poly- Universe tiles can be used for representing chemical reactions. For example:

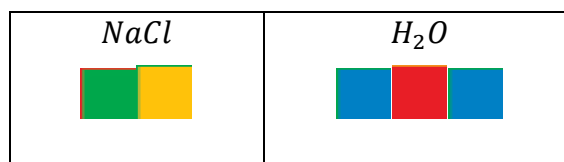


Atoms and their representations	<i>Na</i> 	<i>O</i> 	<i>H</i> 	<i>Cl</i> 
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The students represent the molecules of the substances that react with each other using tiles:



Then they regroup the tiles and in this way they represent the chemical reaction. As a result they get the new substances:



Analyzing the representations above the student can write down the chemical reaction using symbols.

- *Why this exercise is good:* Competences which are developed and knowledge which is deepening: creativity, communication skills, collaboration skills
- *Level of teacher Training:* primary school upper grade, secondary school
- *School subject(s):* Chemistry
- *Comments:* For ages over 12 years