[](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwikhcv8ybDJAhXMOxoKHUGxB64QjRwIBw&url=http%3A%2F%2Fatlas.ch%2Fblog%2F%3Fp%3D1321&psig=AFQjCNFZAiLzvtcSq4JsH6N1O8DsBJMyGA&ust=1448712800111341)**Distillation – a particle’s perspective**

Write a short story (around 1 page in your exercise books) of distillation **through the view point of a water particle** in a mixture with another liquid.

Use the level ladder to help your story. You have **two weeks** to complete this homework.

|  |  |
| --- | --- |
| **Level Ladder- Step to Success** | Tick |
| **Level 4**   * Describe what a mixture is * State what a distillation is used to separate |  |
| **Level 5**   * Include a diagram of the water particle in a mixture with another liquid * Describe what happens to the water particles- include keywords such as evaporation and condensation |  |
| **Level 6**   * Explain how the two liquids are separated by boiling points * Describe how the particle feels when being boiled and when being condensed. |  |
| **Level 7**   * Explain and describe how the mixture of liquids is different to the pure collection in the conical flask. |  |

[](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjCgO6O0bDJAhWCRBoKHSNDDWsQjRwIBw&url=http%3A%2F%2Fwww.amazon.co.uk%2Fassessed-inking-teacher-reward-X12057%2Fdp%2FB00BOUOU9M&psig=AFQjCNH2vaatS04VvjeM9oyNp1kY_MPf4g&ust=1448714742607022)

[](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiN0aDo0LDJAhWEVxQKHaDnBxcQjRwIBw&url=http%3A%2F%2Fwww.amazon.co.uk%2Fs%3Fme%3DA3E0GIVK1T7ELV&psig=AFQjCNGCP9x3O_cYhNY0Hwat7MxIHXUvdw&ust=1448714643543854) Peer assessment:

[](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwikhcv8ybDJAhXMOxoKHUGxB64QjRwIBw&url=http%3A%2F%2Fatlas.ch%2Fblog%2F%3Fp%3D1321&psig=AFQjCNFZAiLzvtcSq4JsH6N1O8DsBJMyGA&ust=1448712800111341)**Distillation – a particle’s perspective**

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[](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiN0aDo0LDJAhWEVxQKHaDnBxcQjRwIBw&url=http%3A%2F%2Fwww.amazon.co.uk%2Fs%3Fme%3DA3E0GIVK1T7ELV&psig=AFQjCNGCP9x3O_cYhNY0Hwat7MxIHXUvdw&ust=1448714643543854) Peer assessment: