**Distillation**



Label the pieces of equipement with the following keywords:

|  |  |  |  |
| --- | --- | --- | --- |
| Bunsen burner | Distillation Flask | Water in | Water out |
| Thermometer Tripod | Beaker Condensor | Solution  (Acetone and Water) | Distillate  (Acetone) |
|  | |  |  |

­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ flask is heated using a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, this allows the acetone to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, turning it from a \_\_\_\_\_\_\_\_\_\_\_\_\_ into a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The acetone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ at \_\_\_\_\_\_\_\_\_\_°C, and travels down the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, where it is cooled down by water. The acetone then turns from a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This is called condensation. The pure acetone is then collected in a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, this is also called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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|  |  |  |  |
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|  |  |  |  |
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