CiE iGCSE Physics Checklist

Section 13: Simple kinetic molecular model or matter (Part 2)

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| ***I can*** | ☺ | 😐 | ☹ |
| **CORE** |  |  |  |
| Describe evaporation in terms of the escape of more-energetic molecules from the surface of a liquid |  |  |  |
| Relate evaporation to the consequent cooling of the liquid |  |  |  |
| Describe qualitatively, in terms of molecules, the effect on the pressure of a gas of: – a change of temperature at constant volume – a change of volume at constant temperature |  |  |  |
| **SUPPLEMENT** |  |  |  |
| Demonstrate an understanding of how temperature, surface area and draught over a surface influence evaporation |  |  |  |
| Explain the cooling of a body in contact with an evaporating liquid |  |  |  |
| Recall and use the equation pV = constant for a fixed mass of gas at constant temperature |  |  |  |
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