**Student worksheet 4: The formation of igneous rocks**

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| **Process** | **How does it occur?** | |
| **In the model** | **In real life** |
| **Melting** |  |  |
| **Cooling** |  |  |

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| To complete this worksheet you will need access to books and/or the internet. Some useful web links are listed below.  <https://www.geolsoc.org.uk/ks3/gsl/education/resources/rockcycle/page3446.html>  <https://www.learner.org/interactives/rockcycle/change3.html> This interactive will not work on an iPad.  <https://www.learner.org/interactives/rockcycle/types.html> This interactive will not work on an iPad. |

1. Write a description of igneous rocks.

1. Igneous rocks can be divided into two groups, depending on where they are formed. Summarise these two groups in the table below.

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| **Group** | **Where they are formed** | **How fast they cool** | **Size of the crystals** | **Two examples** |
| Intrusive (Plutonic) |  |  |  |  |
| Extrusive (Volcanic) |  |  |  |  |

1. How does the cooling rate of the molten rock affect the size of the crystals formed?