



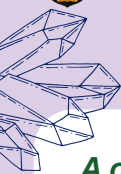
Crystallisation activities



Construction toys like **Zoobs**, **jigsaws** and **magnetic tiles** are a useful tool of representing what crystals can look like and how they form (crystallisation). All of these building blocks have **rigid** and **well-defined connections**, easily lending themselves to forming crystal-like structures.

In this activity: we learnt about the process of **nucleation** using different construction toys. Using jigsaw pieces, we found **different ways** to complete the puzzle. We used magnetic tiles and Zoobs to make **small building units** to show the **regular, repetitive** nature of crystals.



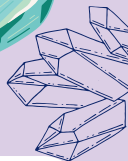
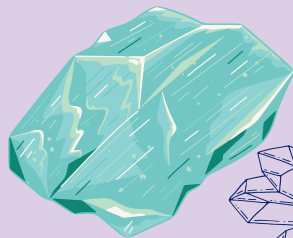


Exploring the science

A crystal is a solid material where the atoms or molecules are arranged in a **well-defined** order.

Crystallisation is the **formation** of a crystal, usually starting as a liquid. Crystallisation is in two steps:

1. **Nucleation** - forming the **smallest building block** that looks like the final crystal structure
2. **Growth** - adding more building blocks onto an **existing crystal** to create a much **larger structure**.



Crystals are very important for **daily life** so studying them allows us to create more useful **technology** and materials.



For more information and activities
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YeungGroupBham.com/outreach/
or scan this QR code!