

Only a few crystals occur naturally in the shape of regular solids. Regular solids are called **Platonic solids**. They are made from regular polygons – all their faces are identical. **All their vertices are identical too.**

Crystals occur naturally in four of these shapes.



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Halite



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Tetrahedrite



Uncut industrial grade diamond. Shieldforyoures Dave Fischer. 31 August 2008. Source: Wikimedia Commons

Diamond



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Pyrite

Build the **five Platonic solids.
Explain why there are only five.**