

# Presentation template

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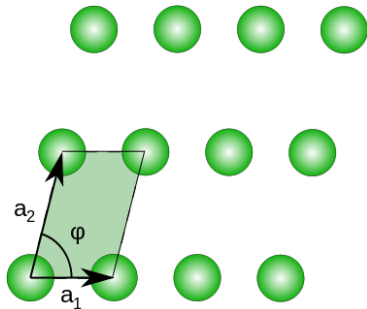
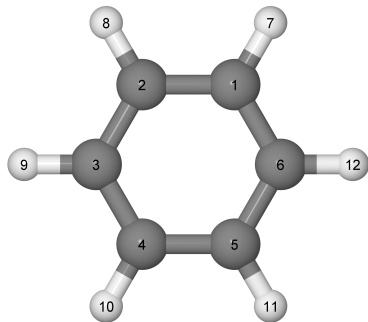
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## 2D crystallography

Space group = point group + translation symmetry



- Determine all 2D point groups
- Determine all 2D Bravais lattices

# Resources

- Wikipedia
- Bilbao Crystallographic Server
- International Tables for Crystallography, Vols.A-G (Kluwer)
- References: [crystallography](#), [symmetry](#)

A few textbooks out of many:

- F A Cotton, Chemical applications of group theory (1990)
- In Russian only: L K Aminov, Symmetry theory (2002)
- C Kittel, Introduction to Solid State Physics (2005)
- N W Ashcroft, N D Mermin, Solid state physics (1976)

Visualization software:

- Jmol
- Mercury
- Vesta
- Surface explorer (online tool)