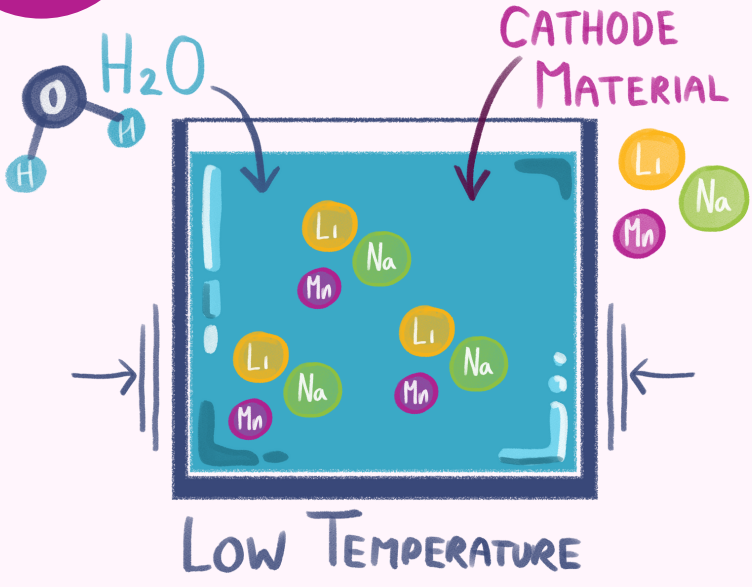
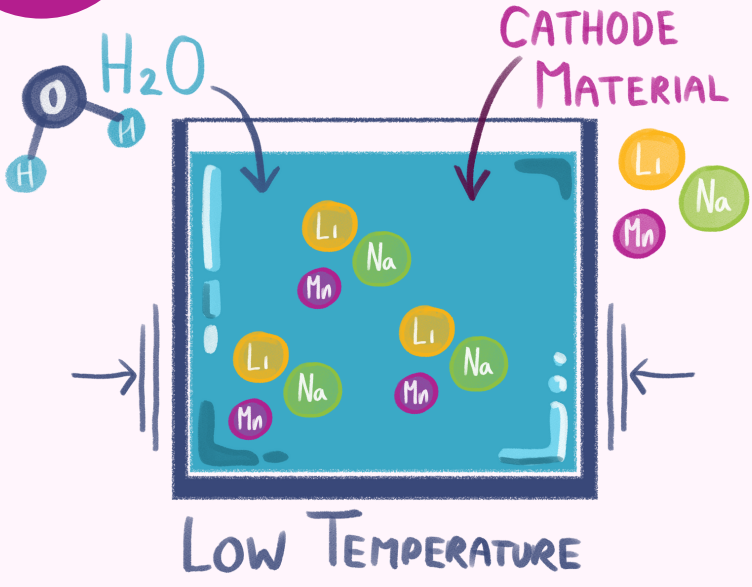
B Hydrothermal



Materials are manufactured using water, as a solvent, at low temperatures. Sometimes, pressure is used to create interesting particle morphology.

Sustainability

B Hydrothermal



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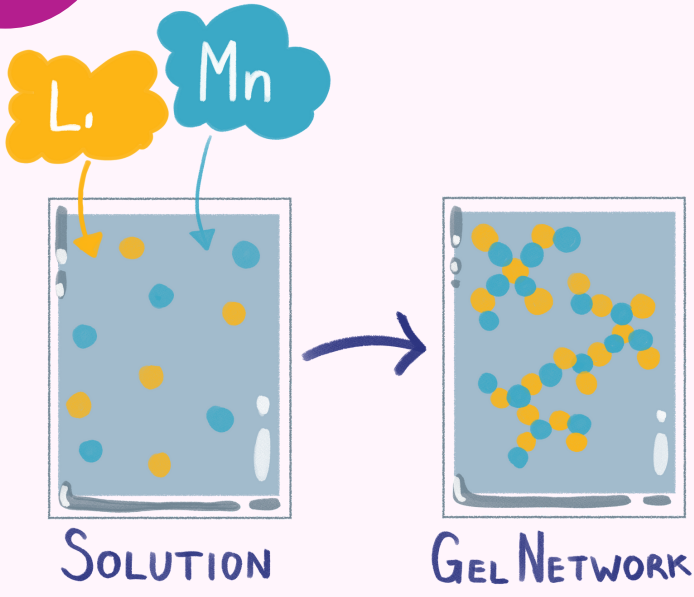
Sustainability

B Sol-gel Method



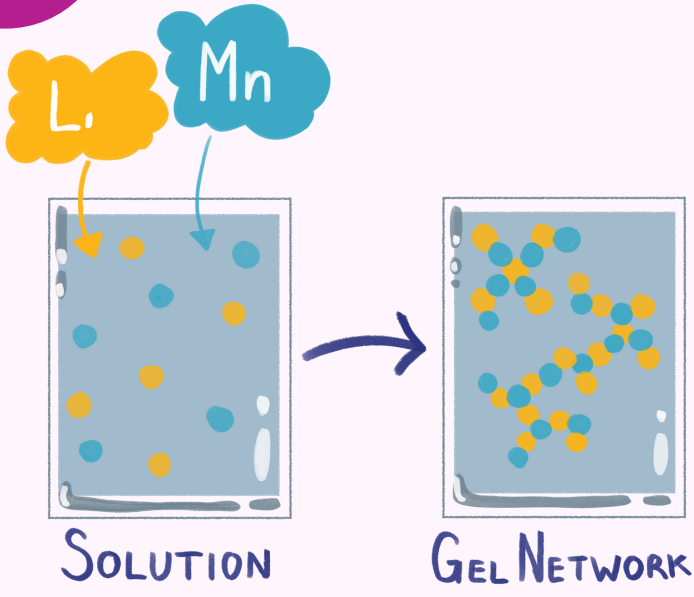
A slowly heated solution leads to a network of cathode material with good homogeneity (regular, repeating order).

Sustainability ↑

Safety –

Cost –

B Sol-gel Method



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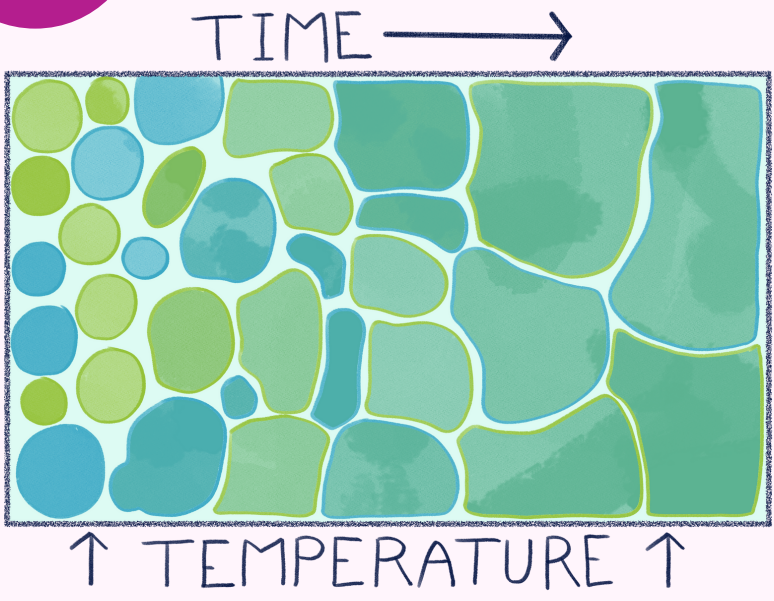
Sustainability ↑

Safety –

Cost –

B

Solid State Synthesis



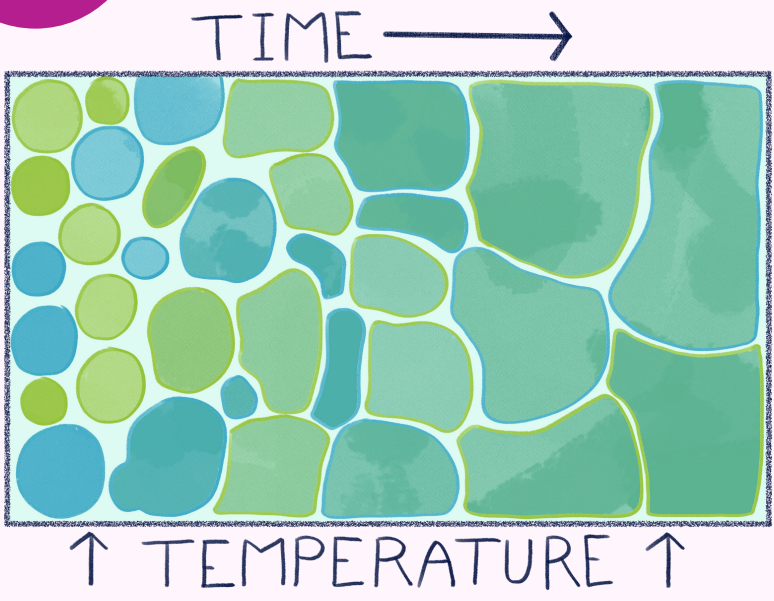
The materials are ground together and heated at high temperatures. It can produce more crystalline structures, so the material is more ordered by forming more regular crystals.

Cyclability

Cost

B

Solid State Synthesis



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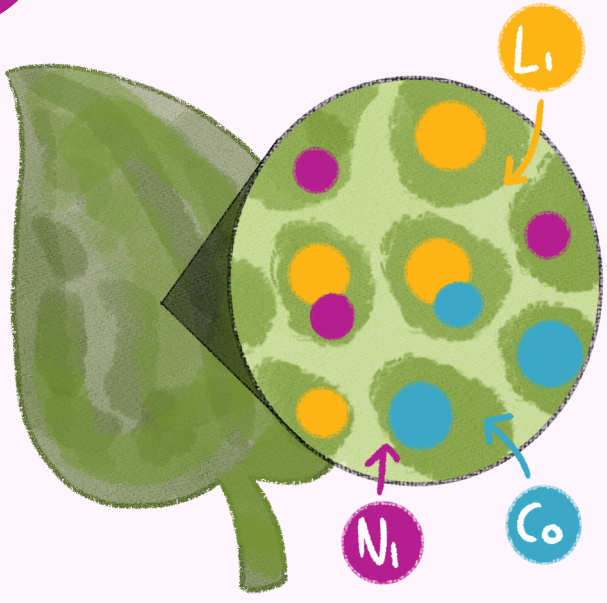
Cyclability

Cost

B Biotemplating

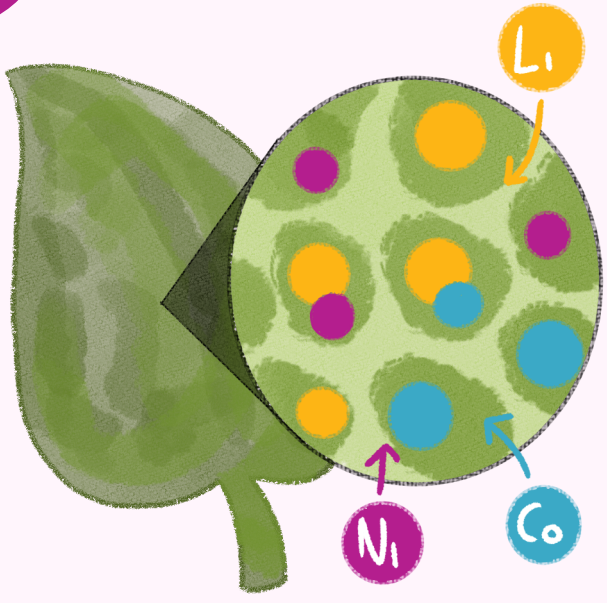


Biological material, such as seaweed and moss, can be used as a template for creating cathode materials. The materials are distributed around the biotemplate, which is later is burnt off.

Capacity

Sustainability

B Biotemplating



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Capacity

Sustainability