

## SUPPLEMENTARY INFORMATION

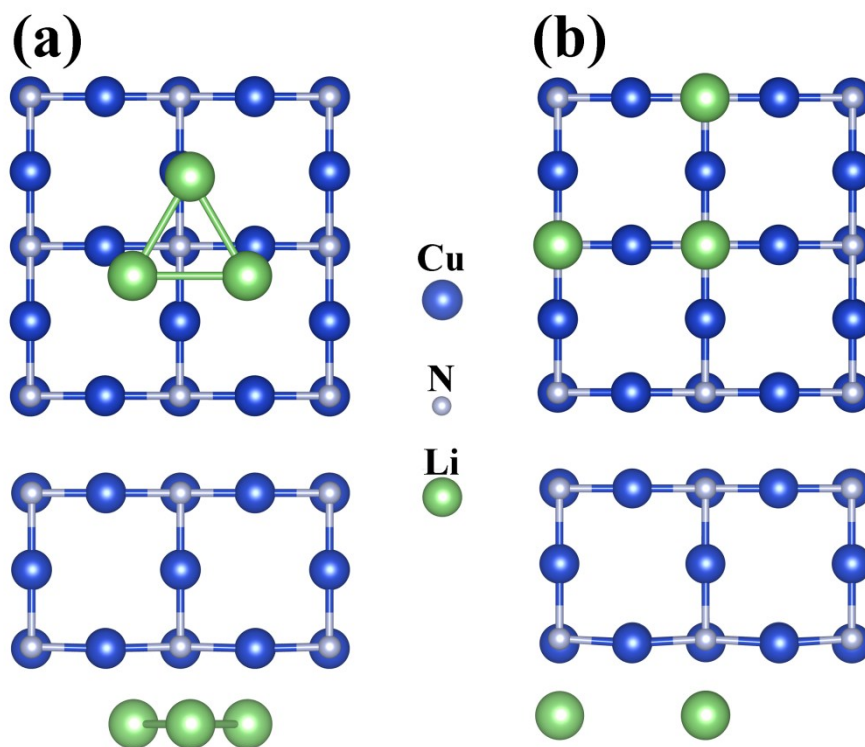
### **Cu<sub>3</sub>N and its analogs: A new class of electrodes for lithium ion batteries**

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**Figure S1.** (a) Top and side views of Li trimer adsorbed on the Cu<sub>3</sub>N nanosheet before the structural optimization. (b) Top and side views of Li trimer adsorbed on the Cu<sub>3</sub>N nanosheet after the structural optimization.