

(Extracting metals (phytomining, bioleaching))

Q1. (2021)

grow plants (on land containing copper ores)

plants are burnt (to produce ash)

ash dissolved in acid (to produce a solution of a copper compound)

electrolysis of solution (containing a copper compound)

or

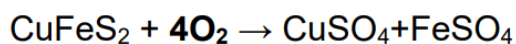
displacement (of copper) from solution (containing a copper compound)

Q2. (2021)

any **two** from:

- high grade ores still available
- land not available
- phytomining takes a long time
- new technology

Q3. (2023)



Q4. (2023)

(the use of) bacteria

to produce leachate solutions (that contain metal / copper compounds)