



# BAUXITE

6<sup>TH</sup> SEMESTER GEOGRAPHY HONOURS  
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## CONCEPT

It is a naturally occurring , heterogeneous material composed primarily of one or more aluminium hydroxide minerals, plus various mixtures of silica, iron oxide, titania, aluminosilicate and other impurities in minor or trace amounts.. It is a clay-like substance. Aluminium is a light, tough and durable metal. It is also a good conductor of heat and electricity and is a non-corrosive metal.

## Uses of Bauxite

- ▶ Used in Chemical industry
- ▶ Used in Cement industry
- ▶ Used in Steel industry
- ▶ Used in Petrol industry
- ▶ In chemicals, bauxite and alumina are used to manufacture aluminium chemicals
- ▶ In refractory, it is used as a raw material for making several products.

## DISTRIBUTION OF BAUXITE

ODISHA- It is the largest producer of bauxite. The important deposits are located in Kalahandi, Koraput and Sambalpur districts.

GUJRAT- Surat, Kutch and Jamnagar.

JHARKHAND- Ranchi, Lohardaga and Palamau districts.

MAHARASTRA- Ratnagiri, Satara and Kolhapur districts.

Chhattisgarh- Bilaspur, Durg and Raigarh districts.

TAMIL NADU- Salem, Nilgiri, Coimbatore and Madurai districts.

MADHYA PRADESH- Balaghat, Mandala, Shahdol and Jabalpur districts.

GOA- Mopa and Pernem in North Goa district



# PROBLEMS

- ▶ Water pollution
- ▶ Land degradation
- ▶ Dust pollution
- ▶ Vegetation loss
- ▶ Biodiversity loss
- ▶ Generation of wasteland

# MANAGEMENT

- ▶ Reclamation of excavated area is taken up immediately after the bauxite extraction and it is considered co-objective of mining venture.
- ▶ Top soil is preserved and utilised for covering the restored area after mining.



**THANK YOU**