

Mineral and Energy Resources

Quick Study Guide

HOW TO USE THIS GUIDE

HIGHLIGHTED TEXT SHOWS IMPORTANT POINTS

★ MARKS HIGH-FOCUS TOPICS

📝 INDICATES EXAM TIPS

⚠️ SHOWS COMMON ERRORS

💡 GIVES QUICK TIPS

TYPES OF MINERALS

Mnemonic: "KHANIJ BOSS"

- K** - Key minerals
- H** - Huge deposits
- A** - All types
- N** - Natural forms
- J** - Important use
- I** - Jobs create

Remember As:

"TEEN TYPE"

1. Metallic

- * Ferrous (Iron based)
- * Non-ferrous (Copper, Gold)

- * Precious (Gold, Silver)

2. Non-Metallic

- * Mica
- * Limestone
- * Gypsum

Common Errors:

- * Type confusion
- * Location mix-up
- * Use misunderstanding
- * Distribution errors

IRON & STEEL

Mnemonic: "LOHA GANG"

- L** - Location based
- O** - Ore types
- H** - Heavy industry
- A** - Areas important

- G** - Great deposits
- A** - All over India
- N** - Need high
- G** - Growth engine

KEY FUNCTION: "IRON MAP"

- | | | |
|--------------|-----------------|--------------|
| 1. Odisha | 2. Chhattisgarh | 3. Jharkhand |
| * Mayurbhanj | * Durg | * Singhbhum |
| * Kendujhar | * Bastar | * Palamu |

NON-FERROUS

Mnemonic: "COPPER TIME"

- C** - Copper mines
- O** - Other metals
- P** - Production areas
- P** - Pure metal
- E** - Essential use
- R** - Rare metals

Examples:

- * BJP
- * Congress
- * BSP
- * CPI
- * CPI(M)

REQUIREMENTS:

"DHATU LIST"

- | | | |
|------------------|------------|------------------|
| 1. Copper | 2. Bauxite | 3. Gold |
| * Rajasthan | * Odisha | * Karnataka |
| * Madhya Pradesh | * Gujarat | * Andhra Pradesh |

ENERGY RESOURCES

Mnemonic: "POWER BOSS"

- P** - Petroleum
- O** - Oil fields
- W** - Wind energy
- E** - Electricity
- R** - Renewable

- B** - Better sources
- O** - Options many
- S** - Solar power
- S** - Sustainable

TYPES:

"SHAKTI DAY"

- | | |
|-----------------|---------------------|
| 1. Conventional | 2. Non-Conventional |
| * Coal | * Solar |
| * Petroleum | * Wind |
| * Natural gas | * Tidal |
| * Hydro power | * Biogas |

COAL RESERVES

Mnemonic: "COAL KING"

- C** - Coal belts
- O** - Old deposits
- A** - Areas major
- L** - Large mines
- K** - Key resource
- I** - Important areas
- N** - Need growing
- G** - Good quality

MAJOR AREAS

"KOYLA RAAJ"

- | | | |
|--------------|----------------|-------------------|
| 1. Jharkhand | 2. West Bengal | 3. Madhya Pradesh |
| * Jharia | * Raniganj | * Singrauli |
| * Bokaro | * Asansol | * Pench |

PETROLEUM

Mnemonic: "OIL GAME"

- G** - Good reserves
- A** - Areas offshore
- M** - Mumbai High
- E** - Energy source

- O** - Oil fields
- I** - Important source
- L** - Location based

KEY AREAS:

"TEL RAJA"

- | | |
|---------------|------------|
| 1. Offshore | 2. Onshore |
| * Mumbai High | * Assam |
| * KG Basin | * Gujarat |

IMPORTANT

- * Digboi
- * Ankleshwar
- * Bassin
- * Krishna-Godavari



NEW ENERGY

Mnemonic: "GREEN POWER"

- | | |
|-----------------------------|---------------------------|
| G - Good for earth | P - Pollution free |
| R - Renewable source | O - Options many |
| E - Environment safe | W - Wind farms |
| E - Energy clean | E - Efficient use |
| N - New technology | A - Renewable |

TYPES:

"NEW AGE"

- | | | |
|----------------|----------------|---------------|
| 1. Solar Power | 2. Wind Energy | 3. Nuclear |
| * Rajasthan | * Tamil Nadu | * Maharashtra |
| * Gujarat | * Gujarat | * Tamil Nadu |

QUICK REVISION CHECKLIST

Before Exam:

- ✓ Mineral types
- ✓ Iron locations
- ✓ Non-ferrous metals
- ✓ Energy sources
- ✓ Coal areas
- ✓ Petroleum zones
- ✓ New energy

Scoring Tips:

1. Give examples
2. Show locations
3. Link production
4. Add uses
5. Map knowledge

HIGH FOCUS AREAS

1. Mineral Types (5 marks)
2. Iron & Steel (5 marks)
3. Energy Resources (5 marks)
4. Coal & Petroleum (4 marks)
5. New Energy (3 marks)

KEY CONCEPTS TABLE

YAAD RAKHNA

RESOURCES	LOCATION	USE
Iron	Odisha	Steel
Coal	Jharkhand	Power
Petroleum	Mumbai High	Fuel
Bauxite	Odisha	Aluminum

IMPORTANT TERMS

- * Ferrous minerals
- * Non-ferrous
- * Conventional energy
- * Non-conventional
- * Renewable
- * Mining
- * Extraction

STATE EXAMPLE

1. Jharkhand - Coal
2. Gujarat - Oil
3. Odisha - Iron
4. Rajasthan - Solar
5. Tamil Nadu - Wind

GOOD LUCK!

