

Our Environmen

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

ECOSYSTEM COMPONENTS

Mnemonic: "PARTY SCENE"

- | | | | |
|---|--------------------|---|--------------------|
| P | Producers (Plants) | S | Sunlight energy |
| A | Autotrophs first | C | Consumers eat |
| R | Recyclers present | E | Energy flow |
| T | Transfer energy | N | Natural balance |
| Y | Yield food | E | Ecosystem complete |

Remember As:

GHAR KA SYSTEM

- Producers = Kitchen garden
- Consumers = Family members
- Decomposers = Dustbin bacteria
- Food chain = Dinner time

Common Errors:

- Wrong energy flow
- Missing components
- Incorrect order
- Decomposers forgotten

FOOD CHAIN

Mnemonic: "KHANA FLOW"

- | | | | |
|---|-------------------|---|------------------|
| K | Kaun kisko khata | F | First producers |
| H | Hierarchy clear | L | Level by level |
| A | Animals sequence | O | Organisms linked |
| H | Number decreasing | W | Web formation |
| A | Amount of energy | | |

Remember Order:

GRASS TIGER

- | | |
|---------------------------|---------------------------|
| • *G*: Grass (producer) | • *T*: Top consumer |
| • *R*: Rabbit (primary) | • *I*: Important links |
| • *A*: Amount reduces | • *G*: Green plants first |
| • *S*: Snake (secondary) | • *E*: Energy transfer |
| • *S*: Sequence important | • *R*: Reduce by 90% |

FOOD WEB

Mnemonic: "JAAL SYSTEM"

- | | | | |
|---|-------------------|---|----------------|
| J | Joined chains | S | Species many |
| A | All connected | Y | Yearly cycle |
| A | Alternative paths | S | Stability more |
| L | Linked species | T | Transfer paths |
| | | E | Energy routes |
| | | M | Multiple links |

Daily Example:

THALI SYSTEM

- Like Indian thali:
- Multiple food items
- Different combinations
- All nutrients linked
- Balance maintained

OZONE LAYER

Mnemonic: "OZONE MAMA"

- | | | | |
|---|------------------------|---|------------------|
| O | O ₃ formula | M | Maintain life |
| Z | Zero UV rays | A | Absorb UV |
| O | Oxygen forms | M | More protection |
| N | Natural shield | A | Atmosphere guard |
| E | Environment protection | | |

Remember Points:

CHATA HAI

- | | |
|----------------------------|------------------------|
| • *C*: Cover from UV | • *H*: Harmful CFCs |
| • *H*: High atmosphere | • *A*: Avoid spray use |
| • *A*: Absorb harmful rays | • *I*: Important layer |
| • *T*: Temperature control | |
| • *A*: Alert on holes | |

WASTE MANAGEMENT

Mnemonic: "KACHRA BOSS"

- | | | | |
|---|------------------|---|----------------------|
| K | Keep separate | B | Bio-degradable |
| A | Arrange bins | O | Or non-biodegradable |
| C | Categorize waste | S | Separate them |
| H | Handle carefully | S | Smart disposal |
| R | Recycle proper | | |
| A | Avoid mixing | | |

Segregation As:

GREEN BLUE

- | | |
|-------------------|-------------------|
| • Green Bin: | • Blue Bin: |
| • Vegetable peels | • Plastic |
| • Food waste | • Metal |
| • Leaves | • Glass |
| • Natural waste | • Synthetic items |

ENVIRONMENTAL PROBLEMS

Mnemonic: "PROBLEM KHATAM"

- | | | | |
|---|----------------------|---|------------------|
| P | Pollution types | K | Khatam resource |
| R | Resource depletion | H | Harmful gases |
| O | Ozone holes | A | Air pollution |
| B | Bad air quality | T | Temperature rise |
| L | Loss of species | A | Acid rain |
| E | Environmental damage | M | Manage waste |
| M | More plastic | | |

Solutions Remember:

EARTH BACHA

- | | |
|------------------------------|-------------------------|
| • *E*: Eco-friendly products | • *B*: Better choices |
| • *A*: Avoid plastics | • *A*: Avoid pollution |
| • *R*: Reduce waste | • *C*: Clean energy |
| • *T*: Tree planting | • *H*: Habits change |
| • *H*: Help recycling | • *A*: Awareness spread |



BIODEGRADABLE/NON-BIODEGRADABLE

Mnemonic: "NATURE FRIENDLY"

N	Natural decay	F	Fixed time
A	Action of microbes	R	Recycle needed
T	Time taken	I	Important sorting
U	Under soil	E	Environment effect
R	Return to nature	N	Natural process
E	Easy decompose	D	Degradation time
		L	Long lasting
		Y	Years to decompose

Examples As:

ROTI vs PLASTIC

- | | |
|--------------------------|----------------------|
| • Biodegradable: | • Non-biodegradable: |
| • Like roti gets spoiled | • Like plastic stays |
| • Fruits rot | • Metal remains |
| • Vegetables decay | • Glass continues |
| • Paper dissolves | • Synthetic cloth |

QUICK REVISION CHECKLIST

Before Exam:

- ✓ Ecosystem components
- ✓ Food chains/webs
- ✓ Ozone layer
- ✓ Waste types
- ✓ Environmental problems
- ✓ Solutions
- ✓ Examples

Scoring Tips:

1. Draw neat diagrams
2. Show energy flow
3. Give examples
4. Write solutions
5. Include daily life connections

HIGH FOCUS AREAS

1. Ecosystem (5 marks)
2. Food Chain (5 marks)
3. Waste Types (5 marks)
4. Ozone Layer (4 marks)
5. Environmental Problems (4 marks)

