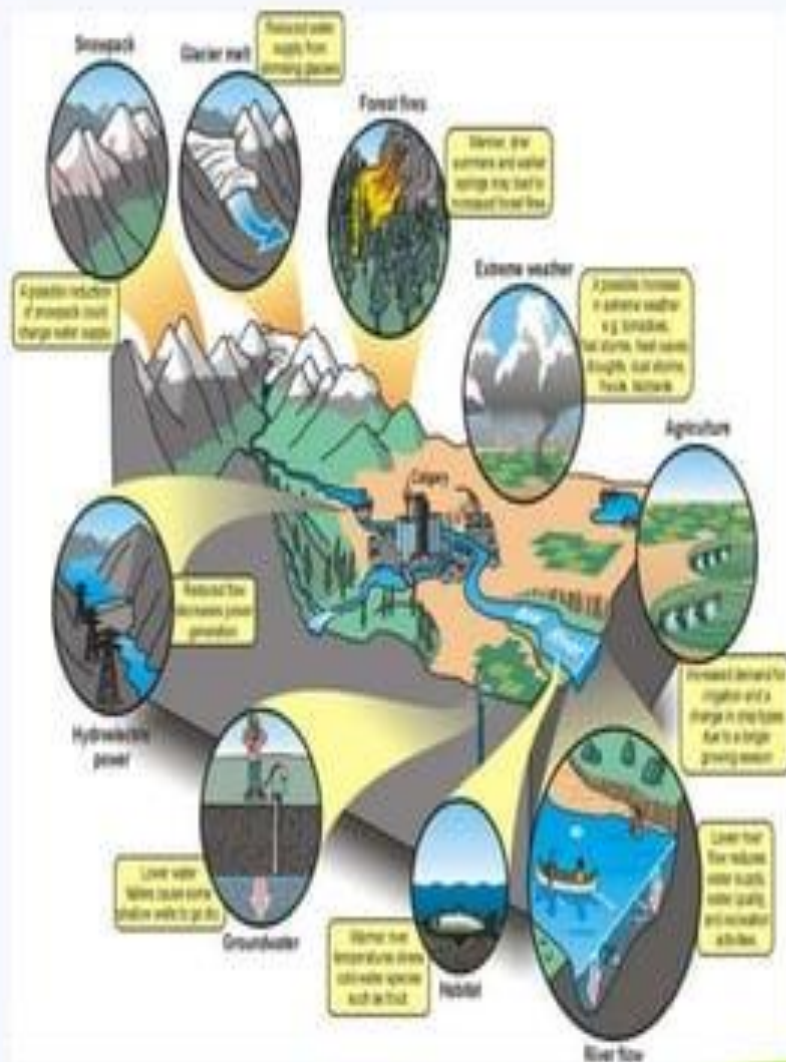
A stylized, colorful illustration of a landscape. The foreground features rolling green hills with varying shades of green and brown patches. On the left, there are three stylized trees: a green one, a purple one, and an orange one. A small red bird is flying in the sky above the green tree. The background consists of a white sky with blue wavy lines representing clouds or distant hills.

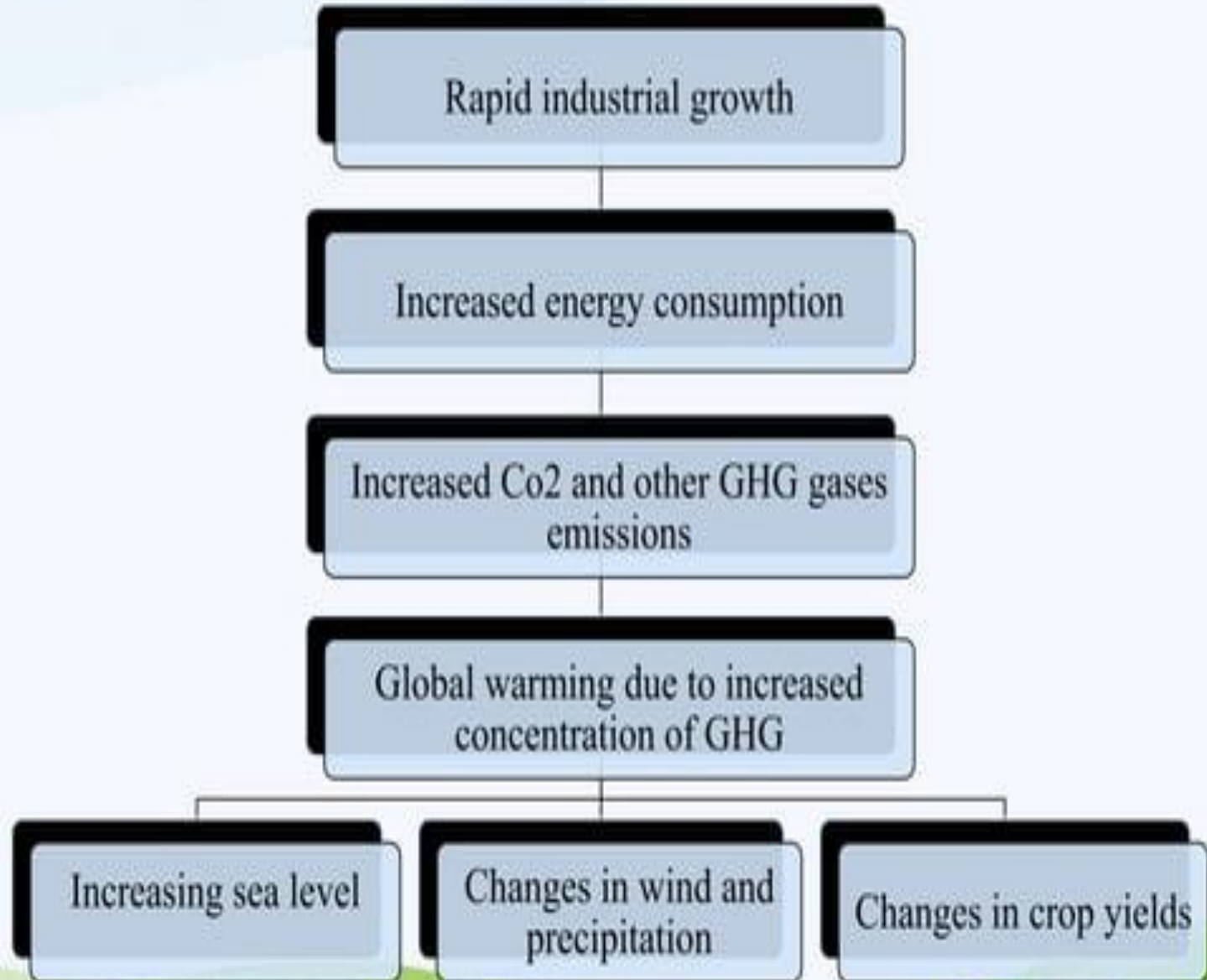
Carbon credit

Climate change

- Climate change is a lasting change in the statistical distribution of weather patterns over periods ranging from decades to million of years.
- These climate changes are currently causing global warming.



Climate change



Kyoto protocols ????



- As a part of United national frame work on climate change the “Kyoto Protocol” was established to create policies and measures to reduce green house gas (GHG) emissions.
- Kyoto protocol requires industrialized nations to reduce their green house gases.

Carbon credits

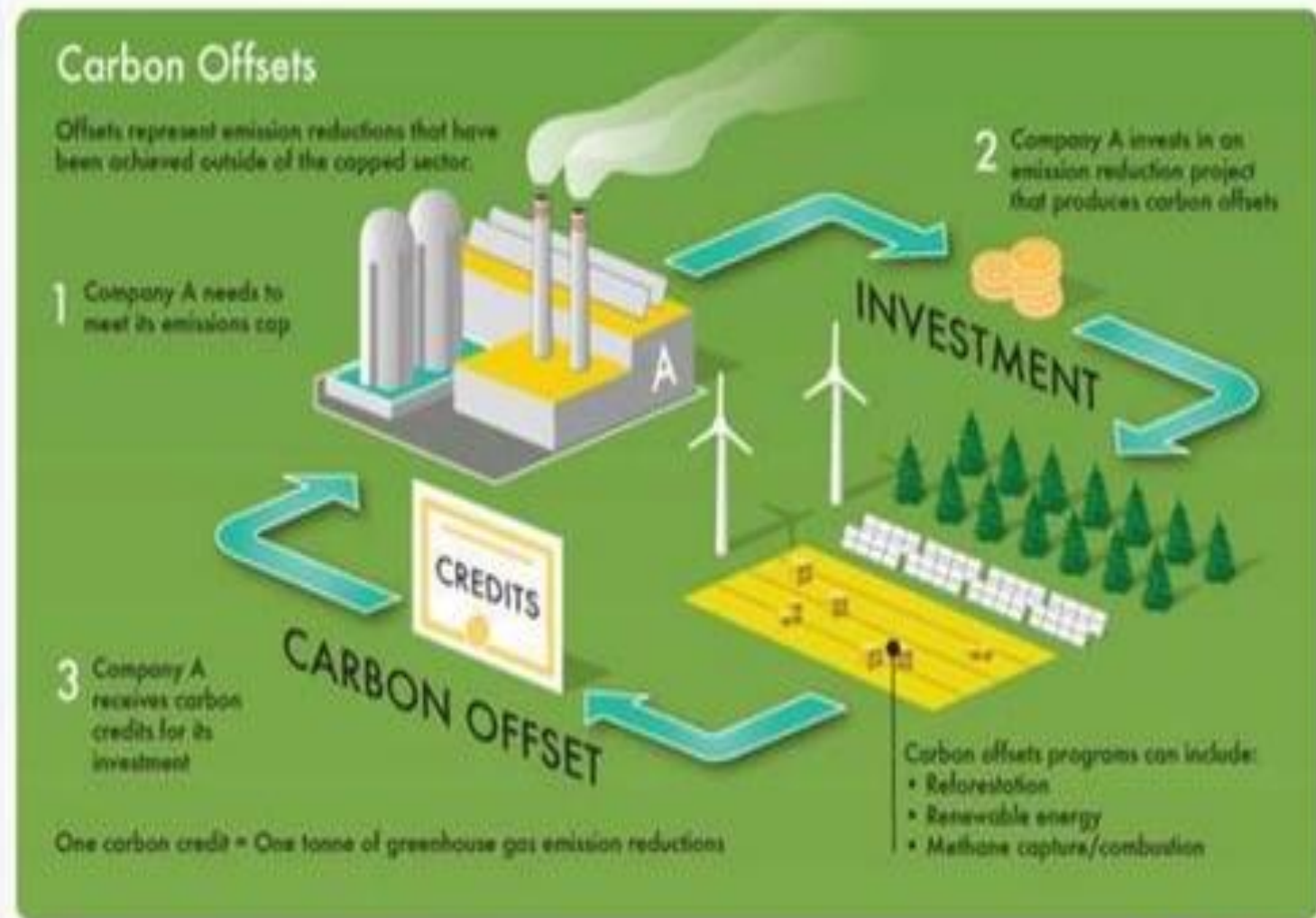
- It is a tradable certificate or permit representing the right to emit one tone of carbon dioxide
- A key component of national and international trading schemes that have been implemented to mitigate global warming.
- They provide a way to reduce green house effect emissions on an industrial scale.
- Carbon credits are the certificates issued to countries that reduce their emission of GHG which causes global warming.

Carbon credit certificate OR Certified emissions reductions (CER)

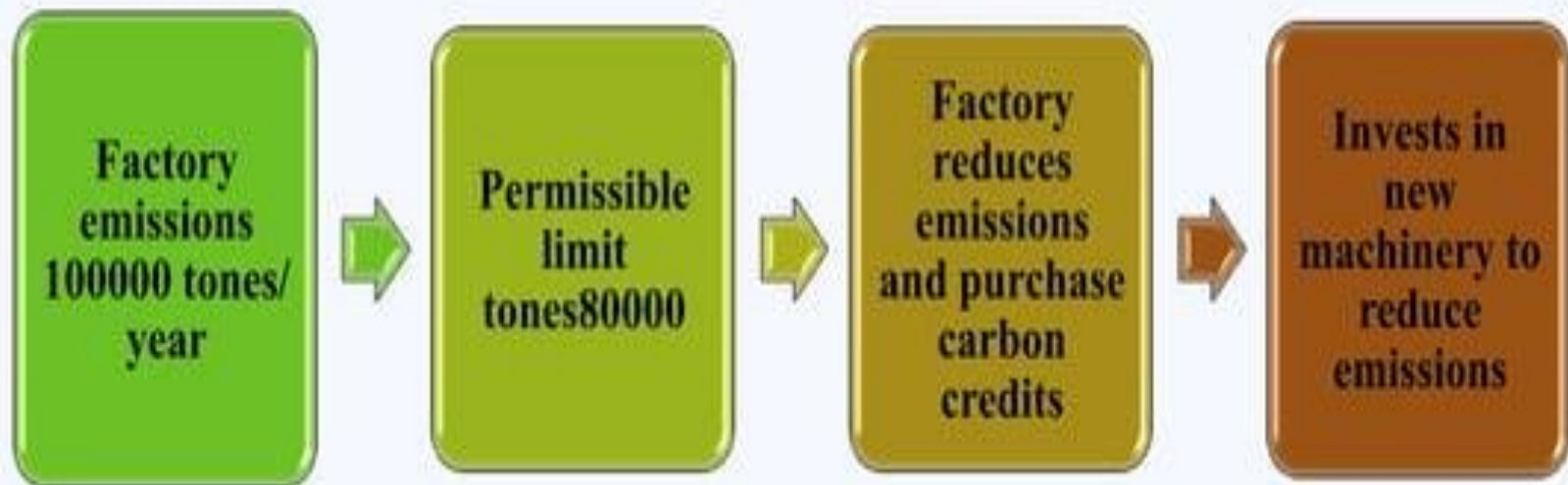
- For example if a project generates, energy using wind power instead of burning coal, it can save 50 tons of carbon dioxide per year.
- There it can claim 50 CER's (one CER is equivalent to one ton of carbon dioxide reduced).



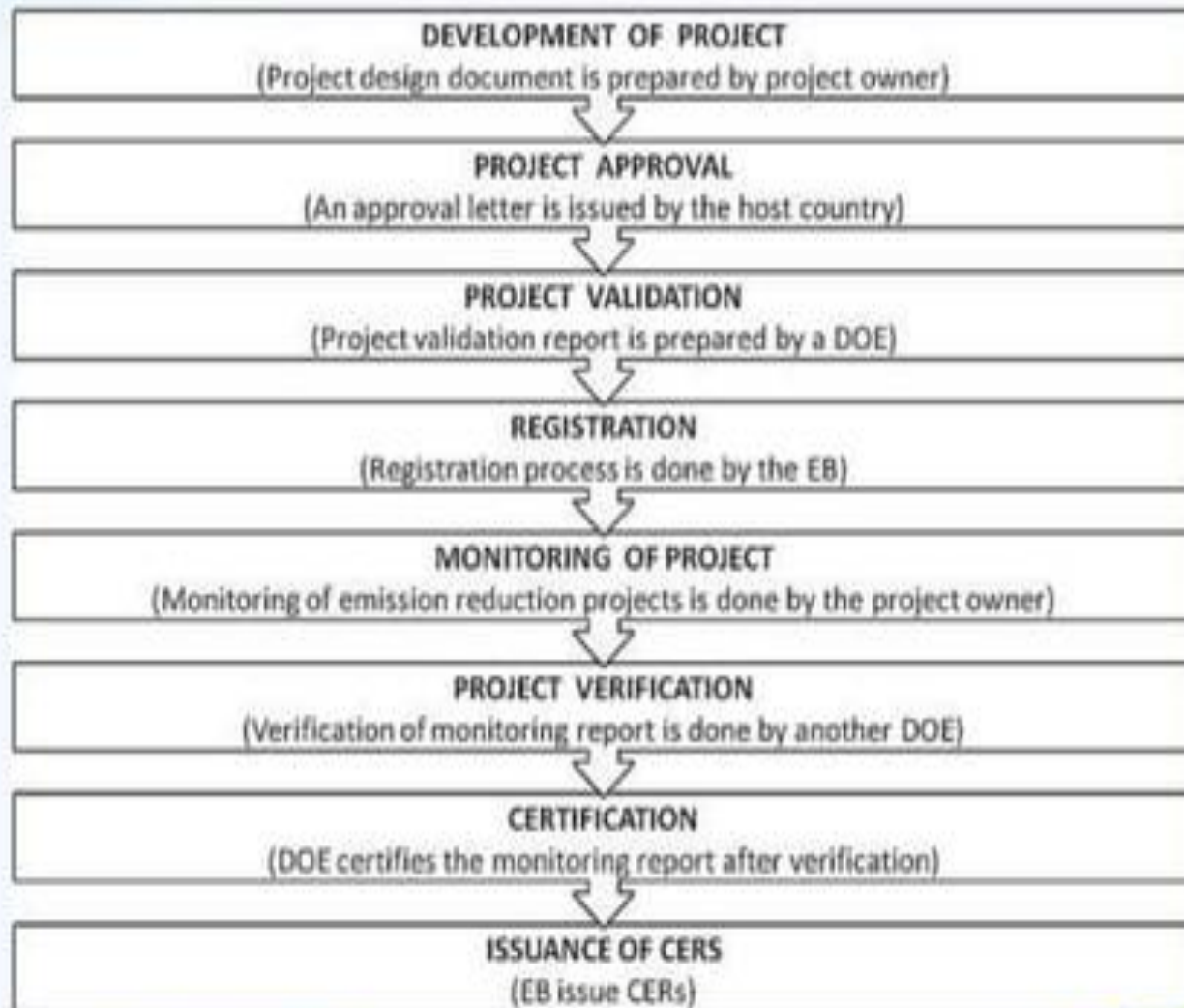
How does carbon credit saves planet?????



How buying carbon credits can reduce emissions ?????



Clean development project process



How can we help our environment??????



How to buy carbon offset ????

1

- Identify sources of carbon dioxide production in daily life.

2

- Reduce greenhouse gas emission directly.

3

- Calculate carbon footprint.

4

- Understand how offsetting works.

5

- Find a quality provider of carbon offsets.

6

- Buy the offsets.

Reducing carbon emissions

- Use of renewable energy such as wind farms, installation of solar.
- Afforestation
- Reforestation
- Organization should bring awareness.

Reducing carbon emission

It is also a duty of each individual to contribute:

- Drive less
- Use solar energy
- Plant more trees
- Turn off electronic devices
- Reuse and recycle
- Be a citizen not just a civilian

A stylized, colorful illustration of a landscape. The foreground features rolling green hills with varying shades of green. On the left, there are three small trees: one with green foliage, one with purple foliage, and one with orange foliage. A small red bird is flying in the sky above the trees. The background consists of light blue and white wavy lines representing a sky or water. The title 'Indian Scenario' is written in a brown serif font in the upper right area.

Indian Scenario

Carbon credits in India – Facts

- India signed the Kyoto protocol in August 2002.
- India is the 2nd larger seller of carbon credits globally with 489 CDM projects.
- The average annual CERs from registered projects during July 2008 to February 2009 grew by 20.92%
- Indian projects are estimated to receive 246 million CER's by December 2012.

Outlook for India


- Delhi metro has been certified by the United nations as the first metro rail-based system in the world to get carbon credit for reducing pollution by 6.3 lakhs tons every year.
- The organization has also earned carbon credit worth Rs. 47 crores.
- No other metro in the world could get the carbon credit for above because of stringent requirements

Outlook for India

- Delhi metro has helped to remove more than 91000 vehicles from the roads of Delhi
- Every passenger who chooses to travel by metro, contributes in the reduction of emissions to the extent of 100 grams of carbon dioxide for every trip of 10 kms.

Carbon credit traders in India

- Andhyodaya green energy
- Grasim industries Ltd.
- Indo gulf fertilizer
- Indus technical and financial consultants Ltd.
- Madhya Pradesh rural livelihoods project
- Rajasthan renewable energy corporation
- Reliance energy Ltd.
- Tata motors Ltd.
- Tata steel Ltd.
- Bajaj Fiserv Ltd.
- Dhariwal industries Ltd.
- Tata power company Ltd.
- Blue star energy services Inc.
- Valera global Inc.

A stylized, colorful illustration of a landscape. The foreground features rolling green hills with varying shades of green. On the left, there are three small trees: one with green foliage, one with purple foliage, and one with orange foliage. A small red bird is flying in the sky above the trees. The background consists of light blue and white wavy lines representing the sky. The text "Advantages and disadvantages of carbon credit" is written in a black serif font on the right side of the image.

Advantages and disadvantages of carbon credit

Advantages

- Technology transfer from developed to developing countries
- Better technology for company
- Can change country's financial situation
- Development of cleaner technologies
- Environmental benefits
- Good alternative option for investment
- Helps in developing extra income

Disadvantages

- Gives false sense of pollution
- It is not regulated
- Developed countries purchase CER's rather than finding new ways to reduce emissions
- lack of a comprehensive and structured international system

Conclusion

- Carbon credit is helping to remove all the blackness from economy.
- Indian companies are the fore front in green practices and are beneficiating most in the world.

A stylized landscape illustration featuring rolling green hills in various shades of green, a brown path, and a blue sky with wavy lines. On the left, there are three stylized plants: a green tree, a purple flower, and an orange flower. A small red bird is flying in the sky.

Go Green...!!!

Thank you