

Important Conventions & Initiatives

With reference to Coral Reefs and their ecosystem, consider the following statements :

- 1. They always represent a symbiotic relationship between zooxanthellae and coral polyps.*
- 2. It is the pigment of these coral polyps, which exhibit the varied colouration pattern observed in the seas and oceans.*
- 3. These coral reefs are not only restricted to tropical regions but are also found in cold waters as far as 60°N.*

*Select the **incorrect** statements from the code below :*

- a. 1 and 2 only*
- b. 3 only*
- c. 2 and 3 only*
- d. 1 and 3 only*

COP 14 UNCCD



Issues related to Desertification

- *Peace Forest Initiative*
- *Degradation to Desertification*
- *Drought Toolbox*
- *Public Private Partnership*



With reference to the United Nations Convention to Combat Desertification (UNCCD), which of the following statements is/are correct?

- 1. India for the first time hosted the Conference of Parties (CoP14) of UNCCD in 2019.*
- 2. The 14th CoP saw the launch of the 'Drought Toolbox'.*

Select the correct answer using the code given below:

- a. 1 only*
- b. 2 only*
- c. Both 1 and 2*
- d. Neither 1 nor 2*

With reference to the United Nations Convention to Combat Desertification (UNCCD), Conference of parties (Cop-14), consider the following statements:

- 1. UNCCD is the sole legally binding international agreement linking environment and development to sustainable land management.*
- 2. During this conference, African countries launched the **Peace Forest Initiative**.*
- 3. During this conference, the Initiative of Sustainability, Stability and Security (3S) was launched to address the migration driven by land degradation.*

Which of the above given statements is/are correct?

- a. 2 only*
- b. 1 and 3 only*
- c. 2 and 3 only*
- d. 1, 2 and 3*

With reference to the “Great Green Wall”, consider the following statements:

- 1. It was launched to combat desertification by the African Union.*
- 2. It is supported internationally by the World Meteorological Organisation.*

Which of the above given statements is/are correct?

- a. 1 only*
- b. 2 only*
- c. Both 1 and 2*
- d. Neither 1 nor 2*



Bonn Challenge

The Bonn Challenge was launched in 2011 by the Government of Germany and IUCN.

It envisages a global goal to bring 150 million hectares of degraded and deforested landscapes into restoration by 2020 and 350 million hectares by 2030

Iterative Evolution



The term 'Iterative evolution', recently seen in the news can be best described as-

- a. The evolution of similar or parallel structures from the same ancestor but at different places, at the same time.*
- b. The repeated evolution of similar or parallel structures from the same ancestor but at different times.*
- c. The concept of an ecosystem reviving itself after destruction.*
- d. Independent evolution of two species, maintaining the same level of similarity.*

COP 25 Madrid



- *The conference incorporates the 25th Conference of Parties to the United Nations Framework Convention on Climate Change (UNFCCC), the **15th meeting of the parties for the Kyoto Protocol (CMP15)**, and the second meeting of the **parties for the Paris Agreement (CMA2)**.*
- *Rulebook of Paris Agreement.*
- *Also known as the '**Blue COP**'.*
- ***Santiago Network** was established, as part of the **WIM** (Warsaw International Mechanism), to initiate the assistance required by the most vulnerable countries.*

With reference to CoP 25 of UNFCCC, consider the following statements:

- 1. This CoP was also referred to as 'Green CoP' because of its focus on resilient agriculture.*
- 2. It also adopted the "Chile Madrid Time for Action" document.*
- 3. It also established the Santiago Network.*

Which of the statements given above is/are correct?

- a. 1 only*
- b. 2 and 3 only*
- c. 1 and 3 only*
- d. 1, 2 and 3*

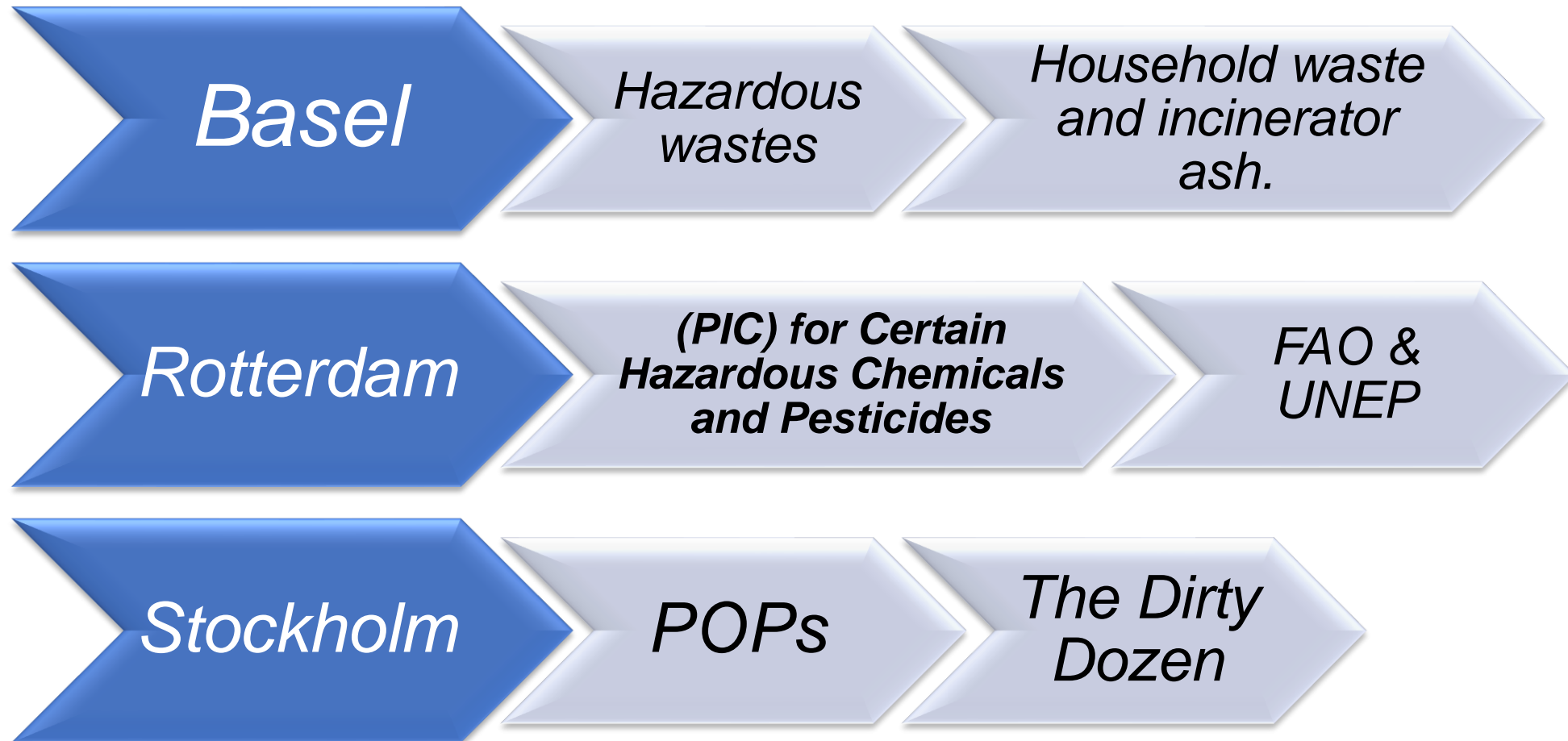
Omega Block



Which one of the following statements best illustrates the term “Omega block”, recently seen in news:

- a. It is the essential vitamin present in some food, which enriches the brain strength.*
- b. It refers to the cause of the recent heat waves observed in many European nations.*
- c. It is a grouping of island nations of Pacific Ocean, fighting against the rising sea levels.*
- d. It is the chemicals used in stopping forest fires.*

COP to Basel, Rotterdam, Stockholm



Consider the following statements regarding the Persistent Organic Pollutants (POPs):

1. *Rotterdam convention is related to reduction or elimination of the production, use, and/or release of 12 key POPs.*
2. *They remain intact for long periods in the environment.*
3. *They accumulate in the fatty tissues of living organisms, except humans.*
4. *Its concentration decreases, as it gets transferred to a higher level in the food chain.*

Which of the statements given above is/are **incorrect**?

- a. *1 and 2 only*
- b. *3 and 4 only*
- c. *1 and 3 only*
- d. *1, 3 and 4 only*

Consider the following pairs:

<i>International conventions/protocols</i>	<i>Associated matters</i>
1. <i>Nagoya Protocol:</i>	<i>Biosafety</i>
2. <i>Cartagena protocol:</i>	<i>Aichi Targets</i>
3. <i>Stockholm convention:</i>	<i>Persistent Organic Pollutants</i>
4. <i>Rotterdam convention:</i>	<i>Prior informed consent procedure</i>

Which of the pairs given above are correctly matched?

- a. 1 and 2 only*
- b. 3 and 4 only*
- c. 1, 2 and 3 only*
- d. 1, 2, 3 and 4*

Basel Ban



The Basel Ban Amendment was in the news recently, it is related to which of the following issues?

- a. Animal Trafficking*
- b. Carbon emission*
- c. Persistent Organic Pollution*
- d. Export of hazardous waste*

C 40

With reference to C40, consider the following statements:

- 1. It focuses on tackling climate change and driving urban action that reduces greenhouse gas emissions.*
- 2. There are no Indian cities in the list of C40 as India is yet to ratify it.*
- 3. It is a joint initiative of UNFCCC and the World Bank.*

*Which of the statements given above are **incorrect**?*

- a. 1 and 2 only*
- b. 2 and 3 only*
- c. 1 and 3 only*
- d. 1, 2 and 3*

Wasteland Atlas

*With reference to the Wasteland Atlas 2019, which of the following statements are **incorrect**?*

- 1. Wasteland Atlas is released by the Ministry of Water Resources, River Development and Ganga Rejuvenation annually.*
- 2. According to this Atlas, the majority of wasteland has been changed into croplands.*
- 3. The majority of the wastelands have undergone positive changes in southern states.*

Select the correct answer using the code given below:

- a. 1 and 2 only*
- b. 2 and 3 only*
- c. 1 and 3 only*
- d. 1, 2 and 3*

Earth Hour

Which of the following is correct regarding Earth Hour?

- 1. It is a global event organized by the World Wide Fund for Nature (WWF).*
- 2. It is an initiative which was started as a commitment made by the parties at the UNFCCC meet in Rio, 1992.*

Which of the statements given above is/are correct?

- a. 1 only*
- b. 2 only*
- c. Both 1 and 2*
- d. Neither 1 nor 2*



In the context of Climate change Science, which of the following statements correctly describes the term 'LOHAFEX'?

- a. It was an experiment aimed at increasing Carbon Dioxide sequestration through ocean iron fertilisation as part of studies on global warming mitigation.*
- b. A joint scientific expedition in Antarctica by Research institutions, to assess and study Climate Change effects on ice shelves.*
- c. It is a study on marine organisms and their food chain to analyse the impact of ocean acidification on them.*
- d. An experimental research using iron fertilisation method to protect the Coral Reefs off the coast of Australia.*

Plasticrusts

The term 'Plasticrusts' recently seen in the news, refers to-

- a. New adhesive material for aircrafts*
- b. A newly discovered oceanic plate in the Indian ocean*
- c. A new kind of plastic pollution*
- d. A newly discovered crustacean species*



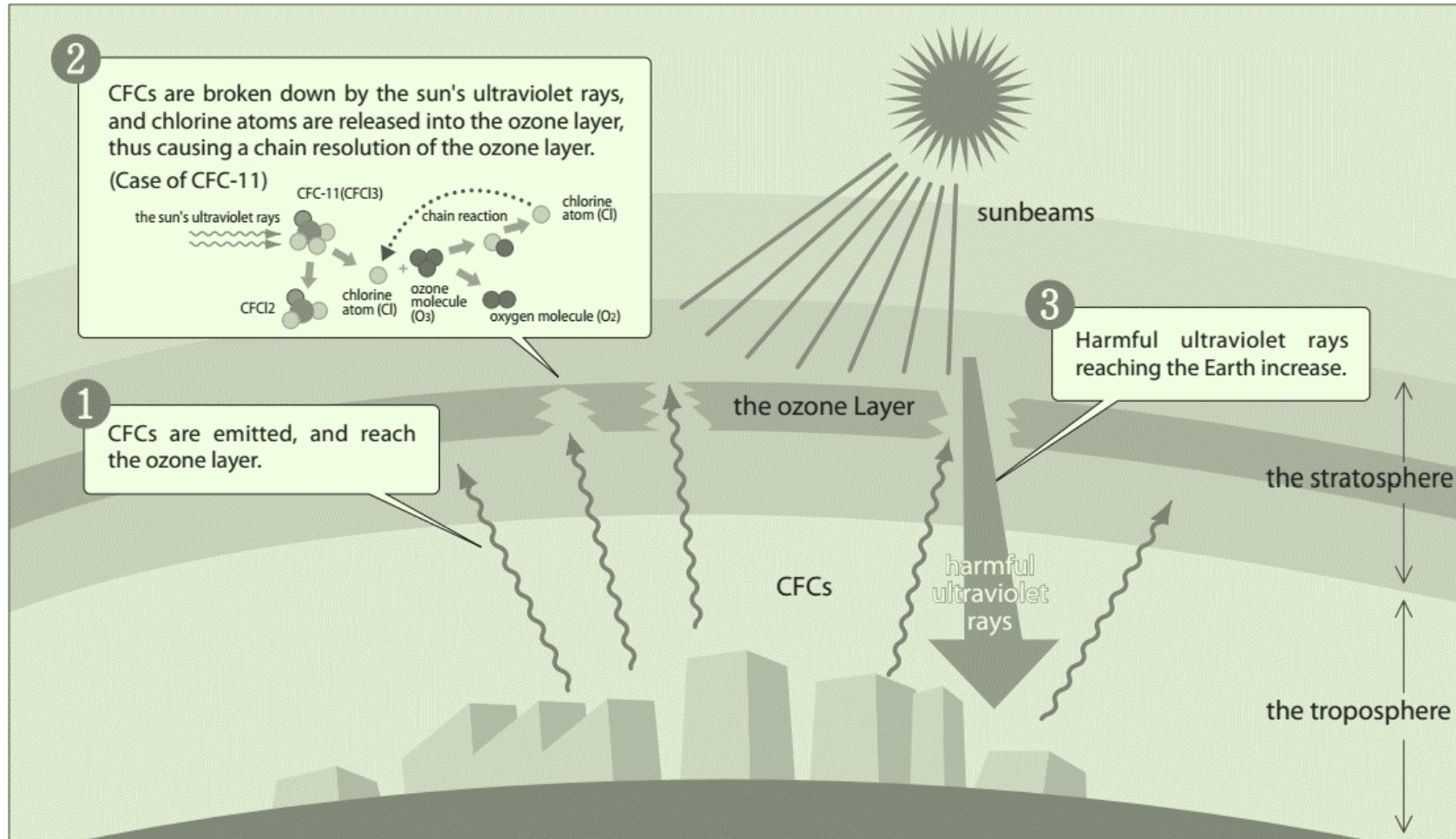
Biorocks

Mineral accretion technology often seen in news is related to-

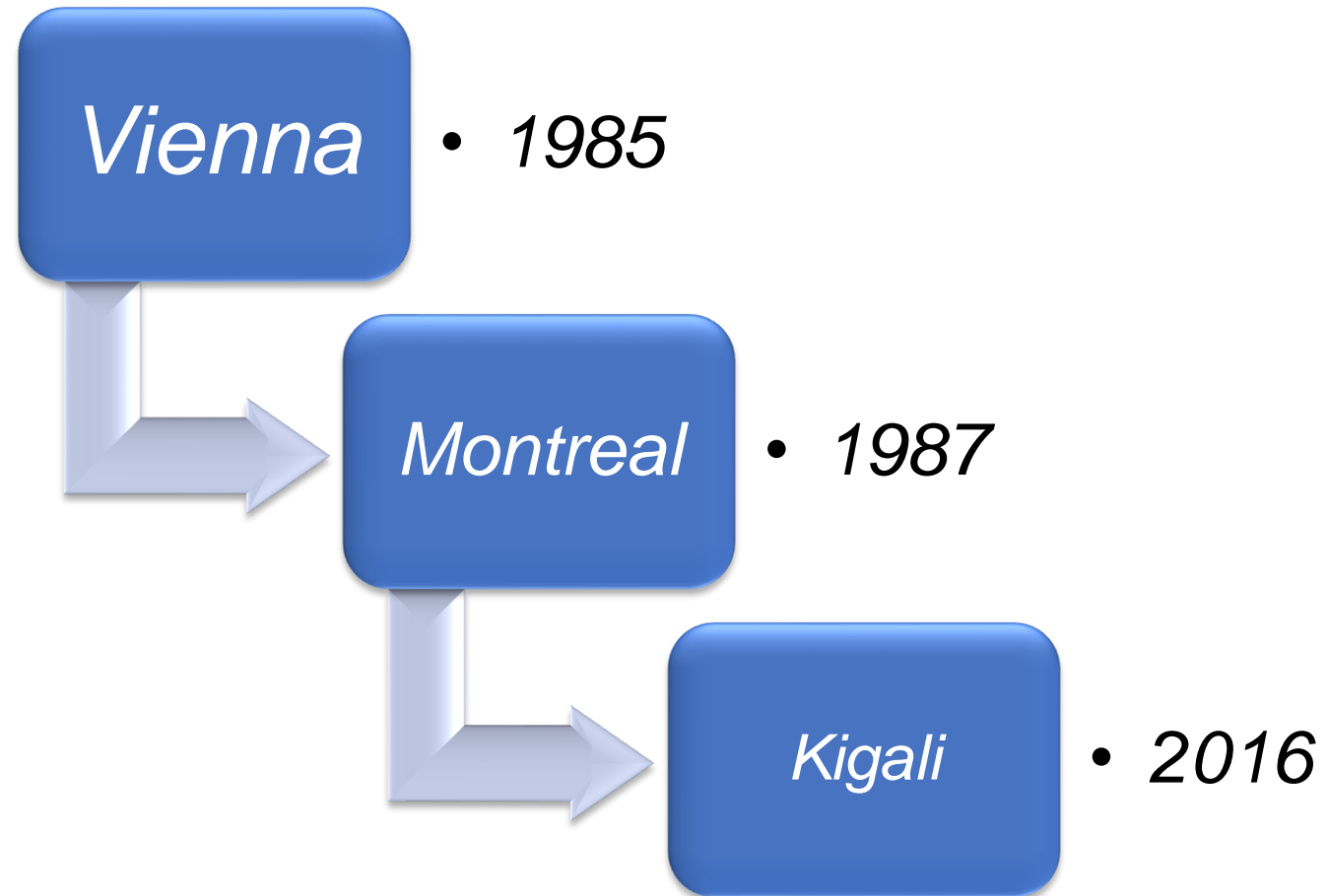
- a. Rejuvenation of abandoned mines*
- b. Restoration of coral reefs*
- c. Reversing desertification*
- d. Solid waste management*



Ozone Depletion



Conventions



With reference to the ozone layer, consider the following statements:

- 1. An increased warming of the stratosphere reduces the rate of depletion of the ozone layer.*
- 2. Despite the increased level of global warming, the ozone hole observed during 2019 was at its minimum.*

Select the correct statements from the codes given below :

- a. 1 only*
- b. 2 only*
- c. Both 1 and 2*
- d. Neither 1 nor 2*

Which of the following is/are examples of short-lived climate pollutant (SLCP)?

- 1. Black Carbon*
- 2. Tropospheric Ozone (O₃)*
- 3. Carbon dioxide*
- 4. Methane*
- 5. Sulfur hexafluoride (SF₆)*
- 6. PerfluoroCarbons (PFCs)*

Select the correct answer using the code given below:

- a. 1, 2 and 4 only*
- b. 2, 3, 5 and 6 only*
- c. 3, 5 and 6 only*
- d. 2, 3, 5 and 6 only*

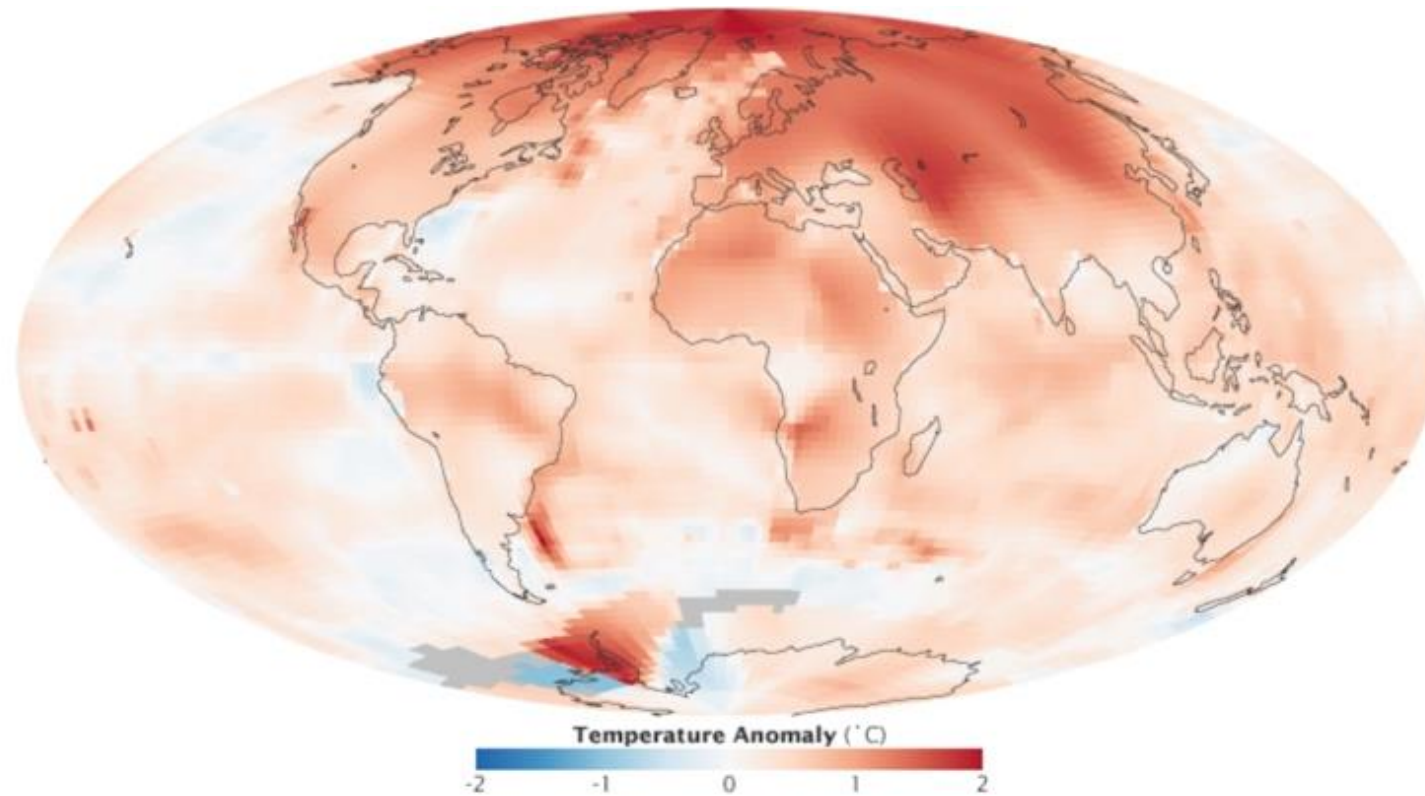
Chlorofluorocarbons, known as ozone-depleting substances, are used:

- 1. In packaging materials*
- 2. In blowing agents in foam manufacturing*
- 3. In cleaning certain electronic components*
- 4. As refrigerants*

Which of the statements given above are correct?

- a. 1, 2 and 3 only*
- b. 3 and 4 only*
- c. 1, 3 and 4 only*
- d. 1, 2, 3 and 4*

Arctic Amplification



Which of the following statements most aptly describes the phenomenon of 'Arctic amplification'?

- a. Increase in the surface temperatures over the Arctic at more than double the Global average.*
- b. Rapid melting of Arctic summer sea ice due to human induced climate change.*
- c. An increased human interference in the Arctic region especially, shipping activity due to Northern ocean routes becoming accessible.*
- d. A general rise in average sea levels propelled by rapid loss of Arctic sea ice.*

MOSAiC Expedition

Recently, MOSAiC Expedition often seen in the news refers to-

- a. Lunar exploration program launched by NASA.*
- b. All-robot circumnavigation expedition.*
- c. Exploration of Arctic Climate Action*
- d. Round-the-world plane*



Consider the following pairs:

Initiatives

- 1.Green Good deeds*
- 2.#icommit*
- 3.CARE*

Purpose

- Promoting green social responsibility*
- Climate resilience in South Asian countries*
- Project Energy resilience*

Which of the following pairs is/are correctly matched?

- a. 1 only*
- b. 1 and 3 only*
- c. 2 only*
- d. 1, 2 and 3*

Initiatives

One Trillion Trees Initiative

- *A World Economic Forum Initiative to support the UN Decade on Ecosystem Restoration*

Zero Carbon Law

- *Passed by New Zealand*
- *To limit the GHG emissions to 0 by 2050*

Green Deal

- *European Union*
- *Climate Neutrality by 2050*

Anthropause

The term “Anthropause” recently seen in news can be best described as-

- a. The reduction in anthropogenic carbon emission due to various climate related initiatives.*
- b. The extinction of various species at a faster rate due to human activities.*
- c. Halting the species extinction through various global initiatives.*
- d. A considerable global slowing of modern human activities due COVID-19 lockdown.*

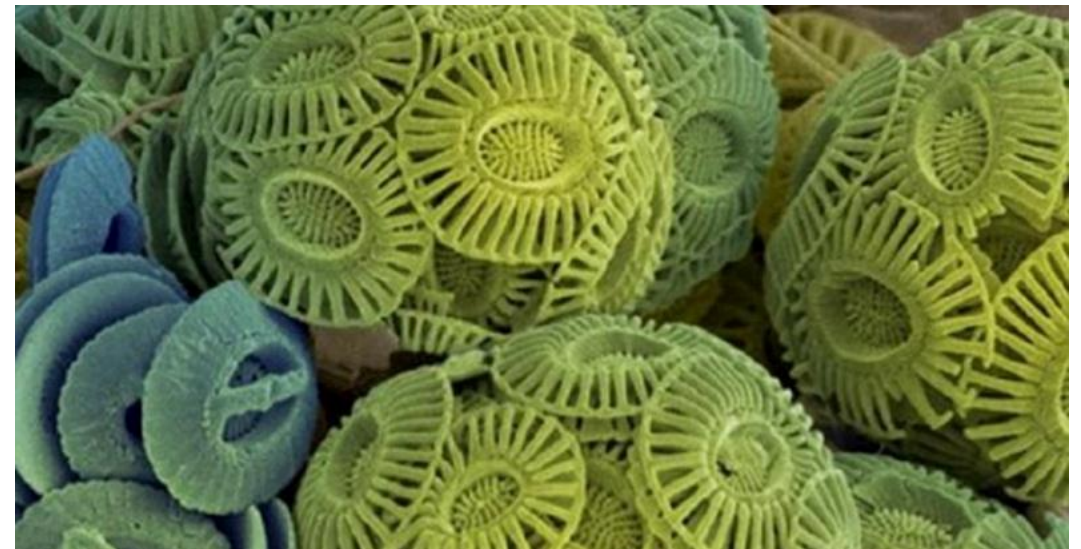
Coccolithophores

With reference to 'Coccolithophores', consider the following statements:

- 1. They are microscopic single-celled marine algae.*
- 2. They are helpful in increasing the primary productivity of the ocean.*
- 3. They are also helpful in absorbing carbon-dioxide from the ocean ecosystem.*

Which of the statements given above is/are correct?

- a. 1 only*
- b. 2 and 3 only*
- c. 2 only*
- d. 1, 2 and 3*



Thank You