

The Four Great Realms of Our Planet Earth

F. Give reasons for the following:

1. The Northern Hemisphere is called the Land Hemisphere.
2. The earth is called a 'blue planet'.
3. There are no permanent human residents in Antarctica.
4. Increase in carbon dioxide level leads to global warming.

Solutions

F. Give reasons for the following:

1. The Northern Hemisphere has most of the land—North America, Europe, Asia and part of Africa while the Southern Hemisphere is mostly ocean covered.
2. The earth is called a "blue planet" as 71% of the earth is made up of oceans and seas.
3. Antarctica has no permanent human residents as 98% is covered with ice that averages at least 1.6 km in thickness. There are only research stations of various countries with no permanent residents.
4. Increase in carbon dioxide leads to global warming because this gas traps the heat of the sun and does not let all of it to go back into space. So if greenhouse gases increase in the atmosphere/ more than the necessary amount of heat is trapped in the atmosphere, leading to temperature increase above the normal which is known as global warming.