

Global Warming by Specific Heat of Materials

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Abstract:- In this paper, global warming of earth is deeply analyzed with related to specific heat of material. Modernization of the world is major contribution to the global warming. Modernization Includes construction of huge buildings, Use of metals, Laying roads, deforesting, Co2 release & population.

Key words

Specific heat, global warming, Modernization, heat, occupied

1. Introduction

Please save the earth by understanding the global warming.

Amount of heat required to rise a degree of temperature in a material is called specific heat of material.

I start with simple examples, if you have a steel & wooden plate with a heater placed between both. Which one rise more temperature, obviously steel rise more temperature than wood.

This is how we are replacing the materials in the world which causes global warming.

1.1 Construction of more buildings

Average house area -460m² (including 4sides and top)

In our village 60 new houses increased in last 25years

In India there are 6,48,802 villages and 100 cities.

So average of 2,98,494 Sq.Km area of houses increased.

Previously these new houses place occupied by air.

Now amount of heat required to rise temperature of building(concrete)(0.88j/g K) is less than air(1.012 j/g K)

There by global warming is increased.

1.2. Extraction & exposing of metals to the atmosphere

Examples: buses, cars, two wheelers, steel bridges, all utensil

Previously these metals(iron, aluminum etc) place occupied by air.

Now amount of heat required to rise temperature of steel(0.45j/g K) is less than air(1.012 j/g K)

There by global warming is increased

1.3.Laying roads

Previously these Roads place occupied by tree.

Now amount of heat required to rise temperature of road (0.92j/g K) is less than tree (1.7j/g K)

There by global warming is increased

1.4. Deforesting

Previously these air & sand place occupied by tree.

Now amount of heat required to rise temperature of air (1.012j/g K) is less than tree (1.7j/g K)

There by global warming is increased

1.5. CO2 (carbon dioxide)

Previously these CO2 place occupied by air.

Now amount of heat required to rise temperature of CO2 (0.839j/g K) is less than Air (1.012j/g K)

There by global warming is increased

1.6. Human population (body)

Previously these human body place occupied by air.

Now amount of heat required to rise temperature of human (3.5j/g K) is greater than Air (1.012j/g K)

There by global warming is decreased

The above statement shows clearly many factors increases global warming except human body which is very small.

So far we have seen the causes for global warming.

Now

2. Remedies for global warming.

1. Link all the rivers to maximize the water area (water has high capacity to retained heat).
2. Minimize construction of buildings and use global warming free constructions.
3. Minimize the usage of metals and use global warming free metals.
4. More in plant of trees.
5. Minimize the release of CO2.

3. Conclusion

Replacing of lower specific heat material in the world is causes for the global warming. Exchange of materials

In Modernization.

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