True or False

1- Electromagnetic energy radiated from the sun to the earth is called insolation.

2- Returned energy that is bounced back to space is known as albedo.

3- Earth’s Albedo reflects 31% of insolation a year.

4- Cloud-Albedo forcing causes the earth to warm.

5- Earth Radiates Visible light.

Multiple Choice

The assimilation of radiation and it’s conversion is known as

A) Albedo  B) Absorption  C) Reflection  D) Scattering

Earth’s absorbed energy is turned into

A) Light  B) UV  C) Gamma  D) Infrared

Convection is

a) Molecule to molecule heat transfer
b) Freezing
c) Geographical Model

d) Energy Transfer using vertical motions

Greenhouse gases

A) Absorb Shortwave radiation
B) Re radiate infrared energy to earth
C) Are made of chlorine
D) None of the Above

Cloud-Greenhouse forcing is associated with

A) Clouds that have more albedo than greenhouse effect.
B) Clouds with less albedo and more greenhouse effect
C) Clouds that cool the earth.
D) All Clouds

CRITICAL THINKING

1- Why Does earth shine brighter than the moon?

2- Why can clouds cool and heat the earth?

3- What is the difference between reflection and radiation?
4- What is the difference between convection and advection?