

1. What is a simple definition of the Albedo Effect?
  
2. What is the relationship between the color of a surface and its ability to absorb solar energy?
  
3. As ice melts, exposing darker surfaces of the earth, this decreases the planetary albedo, would this be a positive (amplification) or a negative (dampening) feedback ? Explain.
  
4. Match the correct Definitions in column A to the Terms Listed below in column B, by writing the corresponding Letter into the brackets of the First column:

Definition (Column A):

Term (Column B):

Reflective power: ( )

A      Dampens effect

Absorption: ( )

B      Retains energy

Positive Feedback: ( )

C      Albedo

Negative Feedback: ( )

D      Enhances effect

5. Why does melting sea ice not raise the level of ocean water? Why does land-based ice raise it?