



Sea Ice & Permafrost - Teacher Review

N L H Y S L E M W E Q A H E G
 O E B H E S E C R O R L X G R
 I V M V C T E U I N V T O L E
 T E E E H L T N O A I R D A A
 A L B A L S A I K N E I E C T
 R A N W I T R T C C H S B I D
 O E Y O M C I T H F I E L A Y
 P S M U E W I N A R U H A L I
 A R H L I O S L G K A D T T N
 V A F L N Q L W V F Z T X N G
 E E P E R M A F R O S T E D O
 R N O I S N A P X E K N S S J
 E P O T O S I M E L T Q I F E
 O X S J G D G G E T N M V I M
 T H E R M A L P O T L H X Q I

Write the 23 words relating to sea ice and permafrost below

ALBEDO
 CLATHRATES
 EVAPORATION
 EXPANSION
 EXTINCTION
 FALL
 GLACIAL
 GREATDYING

HEAT
 ISOTOPE
 LEVEL
 MELT
 MELTING
 METHANE
 MOISTURE
 PERMAFROST

REFLECRION
 RISE
 SEAICE
 SEALEVEL
 SOIL
 THERMAL
 THICKNESS

What is the main reason for sea rise as a result of global warming?

Thermal expansion

Does melting of sea ice have a major or minor effect on sea level?

Minor

What is albedo?

The capacity of a surface to reflect solar radiation.

Which surface is the most effective for reflecting solar radiation, a light surface or dark surface?

A light surface.

What is permafrost? Permafrost is frozen rock, soil and organic materials. It occurs at high altitudes and high latitudes and acts as a long-term carbon sink.

What happens when permafrost melts in a town?

All roads, electrical wires, plumbing, water services and fuel services are disturbed. Home bases become unstable.