

Climate Change: Winners and Losers

Lesson 3 REVIEW

Use the list of words below to summarize the lesson on melting polar ice. You will need to use some words more than once:

absorbed, Arctic Sea, coastal areas, Equator, glacier/glaciers, greenhouse effect, Greenland, heat, higher, ice caps, lower, North Pole, reflects, South Pole, warmer

- 1) As the Earth gets warmer, temperatures at the _____ and _____ will increase more than temperatures at the _____. (Page 1)
- 2) The _____ traps heat and warms a planet, and it also distributes the _____ more evenly over the planet. (Page 1)
- 3) As Earth's albedo gets lower, more of the Sun's energy is _____ at the surface and the planet gets _____. (Page 2)
- 4) Polar ice has a _____ albedo than the water or rock under it, so it _____ away more of the Sun's energy. (Page 2)
- 5) As glaciers and ice caps melt, the albedo gets _____ and the Earth gets _____. (Page 2)
- 6) In the northern polar region, melting ice covering the _____ will not affect sea levels as much as the _____ covering most of _____ would if it melted. This is because the ice covering the _____ is already sitting in water. (Page 3)
- 7) Over 600 million people live in _____ within 10 meters of sea level. (Page 3)
- 8) If all the _____ and _____ in the world melted, sea levels around the world would rise by about 70 meters. (Page 3)