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:*

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| 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)