**Unit 1 Gallery Walk Questions**

Post each question on a separate piece of poster paper. Divide the class in groups, and each group will start at one poster. In large classes, the set of questions may be posted in the room twice. Provide students with ink markers, and allow each group 3 to 5 minutes to make notes under each question. After each group has visited each question, they must verbally summarize for the rest of the class the information on the first poster they visited.

Questions:

(1) How did each of the three cultures try to adapt to climate variations and changes? Put an \* next to adaptations that were successful.

Andeans/Incas

Mayans

Vikings

(2) What modern adaptations do we have that can or have helped us survive or adapt to climate challenges in high mountains, tropical rainforests, or barren, cold high latitudes? (These may or may not be similar to adaptations used by the Incas, Mayans, and Vikings.)

(3) The ability of a society to adapt to climate change depends on:

(4) The climate of a particular place on Earth can be affected by:

(5) Climate variability and climate change affect a culture or civilization in different ways. (1) List examples of phenomena that might be classified as climate variability. (2) List examples of phenomena that might be classified as climate change.

(6) What are these diagrams representing? How are they different?

(Show examples of positive and negative feedback loops. Examples provided on next page)

Increased drawdown of CO2 by plants

Longer growing season for high-latitude plants

Increase in atmospheric CO2

Warmer temperatures

Cooler temperatures

Warmer temperatures

Reduction in Arctic Sea Ice

Increase absorption of solar energy in high latitudes

Increase in atmospheric CO2