

# Questions of Change

Your Team's Mission: Visit each station and read what the pictures show. Examine the different types of data. Can you see evidence for change? Is there a pattern to the change?

## Arctic Sea Ice

What is happening to the sea ice in the Arctic Ocean?

If this pattern of change continues, what might the Arctic sea ice look like next year? In ten years?

What might this mean for native peoples and polar bears and other animals that depend on the sea ice for food and a way to make a living?

## Larsen Ice Shelf

What happened to the Larsen Ice Shelf?

Why do scientists think this happened?

If this happens to other ice shelves around Antarctica, what might happen to the ice in Antarctica?

## Lilacs and Honeysuckle

What do the maps show?

Do you observe any differences from year to year?

What differences do you observe?

If plants are blooming earlier, what might this mean to the animals that depend on them that hibernate or migrate (like birds and butterflies) to get to them?

## Global Temperatures

What patterns do you observe across the years that the maps show?

What do you predict the map will look like for 1999 to 2010?

What impact do these kinds of temperature changes have on our Earth (its glaciers and plants and animals and people)?