

Name:

## VANISHING ICE

In "Trapped in Ice" (p. 8), you learned that climate change is causing sea ice in the Arctic to disappear and that the Arctic is warming faster than the rest of the world. The maps below show the amount of ice in the Arctic Ocean in September 1986 and September 2019. Use the maps and the information in the article to answer the questions that follow.



## ANALYZE IT

1. Which areas in the Arctic have lost the most sea ice?

**2.** During what month was the data collected? Why do you think scientists use this month to determine how the amount of sea ice has changed over the years?

**4.** Do you think climate change has affected how ships can travel through the Arctic Ocean? If so, how?

**5.** The article states that Arctic ice has decreased by 75 percent in volume since the 1980s, while the area of ice has shrunk by 50 percent. Do you feel that the map captures that drastic decrease? How else could the data be represented?

**3.** Where do you think scientists plan to place the Polarstern to freeze it in the ice? Explain your reasoning.