LOCAL AND GLOBAL WINDS

1. Which best describes why winds at the beach change direction between day and night?

A because the temperatures over land and over water change

B because warm air over land sinks and stays in place over land

C because cool air rises and is replaced by warm air from the ocean

D because cool air sinks and stays in place over land

1. Which is the best explanation for how air masses move across the United States?

A The jet stream moves air masses from the Pacific Ocean across the United States.

B The trade winds move air masses from west to east across the United States.

C The prevailing westerlies move air masses from west to east across the United States but may be deflected by the jet stream.

D The warm air of the Gulf Stream causes air masses to move from the Atlantic Ocean to the Pacific Ocean.

1. Which has the greatest effect on wind speed?

A precipitation

B cloud cover

C wind direction

D air pressure

1. Which types of winds cause weather in North Carolina?

A. polar easterlies

B. prevailing westerlies

C prevailing easterlies

1. In which direction do prevailing westerlies flow?

A from east to west

B from west to east

C from north to south

6. How does a sea breeze affect the weather?

A. It decreases land temperatures near the ocean.

B. It increases land temperatures near the ocean.

C. It decreases rain formation over land near the ocean.

D. It increases the cloud coverage over the land near the ocean.