

Conveyor Belt Quiz

_____ *and* _____ *determine ocean water density.*

- a. Pressure, salt
- b. Pressure, temperature
- c. Temperature, wind
- d. Temperature, salt

In the Conveyor Belt Circulation, the sinking water masses are located in

- a. the north Atlantic and north Pacific.
- b. the north Atlantic and south Pacific.
- c. Antarctica and the north Atlantic.
- d. Antarctica and the north Pacific.

El Niño/La Niña Quiz

During El Niño, the pressure gradient across the tropical Pacific _____, causing the trade winds to _____.

- a. strengthens, weaken
- b. strengthens, strengthen
- c. weakens, weaken
- d. weakens, strengthen

During La Niña, the storms in the tropical Pacific shift to the

- a. east.
- b. west.
- c. north.
- d. south.

El Niño/La Niña Quiz

During El Niño, the wintertime in the southwest is,

- a. cold.
- b. wet.
- c. warm.
- d. dry.

During La Niña, the wintertime in the southwest is,

- a. cold.
- b. wet.
- c. warm.
- d. dry.

North Atlantic Oscillation

NAO - Positive Phase

Icelandic low deepens

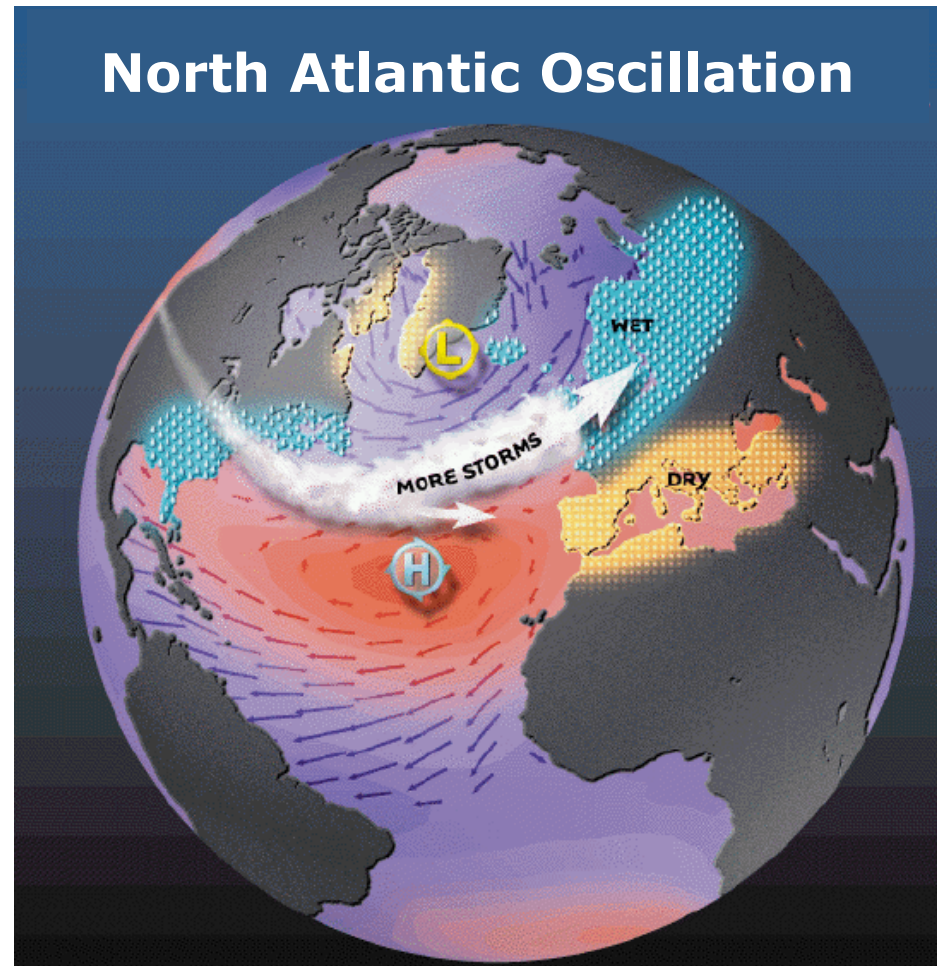
Bermuda high strengthens

What other things might you expect would change during the positive phase?

Trades over tropical Atlantic?

Upwelling along coast of Africa?

What about during negative phase?



NAO/PDO Quiz

During a positive NAO, the Atlantic storm track shifts _____ and is _____ than normal.

- a. south, stronger
- b. south, weaker
- c. north, stronger
- d. north, weaker

During a positive PDO, the Pacific storm track shifts _____, causing a _____ than normal winter in the southwest US.

- a. south, wetter
- b. south, drier
- c. north, wetter
- d. north, drier