

1) Why does it rain most of the year around the Earth's equator?

- A. The force of the Earth spinning moves most of the clouds to the equator.
- B. Heat from the sun causes the ocean to evaporate more around the equator, forming clouds.
- C. Large clouds are repelled from the North and South Pole due to magnetic forces.

2) The trade winds are consistent easterly winds that circle the Earth around the equator.

- A. True
- B. False

3) Convection is driven by

- A. hot air rising and cold air sinking
- B. hot air sinking and cold air rising

4) What is latitude?

- A. The measure of how far something is North or South of the equator.
- B. The measure of how far something is East or West of Greenwich England.

5) What happens to the rising air that is heated at the Earth's equator?

- A. It rises to the top of the atmosphere and escapes into outer space
- B. It rises to the top of the troposphere and travels to the north or south pole before sinking
- C. It rises to the top of the troposphere and travels to 30° latitude before sinking

Key:

1. B

2. B

3. A

4. A

5. C