

Apr. 19-23 Station 1: Explain How Wind Works

**Directions:** Log on to Mosa Mack and watch the Weather video. Then, come back to this page to answer the video questions. Once you have answered each question complete the vocab activity then press "Finish"

**Video Questions:**

1. Where on Earth do the sun's rays hit at the most direct angle?
  - A. The North Pole
  - B. The South Pole
  - C. North America
  - D. The Equator
2. The Sun beats down on the Tropics and causes what molecules to evaporate into the air mass above it?
  - E. Nitrogen
  - F. Oxygen
  - G. Water
  - H. Carbon Dioxide
3. Which of the following is true about the movement of air?
  - A. Warm air rises
  - B. Cold air rises
4. As warm air rises, it cools and condenses. This causes which of the following?
  - C. Sun
  - D. Wind
  - E. Rain
  - F. Thunder
5. Wind is caused by which of the following?
  - A. Clouds condensing
  - B. Water evaporating
  - C. Sun shining down on the Earth
  - D. A cold air mass moving in to replace a rising warm air mass

6. What has to be present in the air in order for it to snow?

- A. Nitrogen
- B. Oxygen
- C. Water
- D. Carbon Dioxide

7. Why is it warmer at the Equator?

8. Why are all the molecules rising off the surface of the Earth?

9. What happens when the high temp, low pressure air mass rises? What problematic weather results?