|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Air Mass** | **Forms Over** | **Moisture** | **Forms Near** | **Temperature** |
| Air Mass 1 | Ocean | Moist | Poles | Cold |
| Air Mass 2 | Land | Dry | Poles | Cold |
| Air Mass 3 | Ocean | Moist | Equator | Warm |
| Air Mass 4 | Land | Dry | Equator | Warm |

Characteristics of Air Masses

Student Inquiry

Using the chart above, answer the following questions:

1. Where does air mass 1 form over? What is the moisture of air mass 1?
2. Where does air mass one form near? What is the temperature of air mass 1?
3. Where does air mass 2 form over? What is the moisture of air mass 2?
4. Where does air mass 2 form near? What is the temperature of air mass 2?
5. Where does air mass 3 form over? What is the moisture of air mass 3?
6. Where does air mass 3 form near? What is the temperature of air mass 3?
7. Where does air mass 4 form over? What is the moisture of air mass 4?
8. Where does air mass 4 form near? What is the temperature of air mass 4?
9. Based on the characteristics of air masses 1 and 3, air masses that form over the ocean seem to have what moisture?
10. Based on the characteristics of air masses 2 and 4, air masses that form over the land seem to have what moisture?
11. Based on the characteristics of air masses 1 and 2, air masses that form near the poles seem to have what temperature?
12. Based on the characteristics of air masses 3 and 4, air masses that form near the equator seem to have what temperature?

***You Try!*** Pretend you are an air mass forming over the ocean near the poles. What characteristics would you have? Are you dry? Moist? Warm? Cold? What would you be called?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_