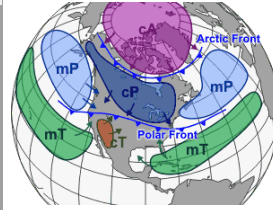


What do you know about Air Masses & Fronts- Webquest.



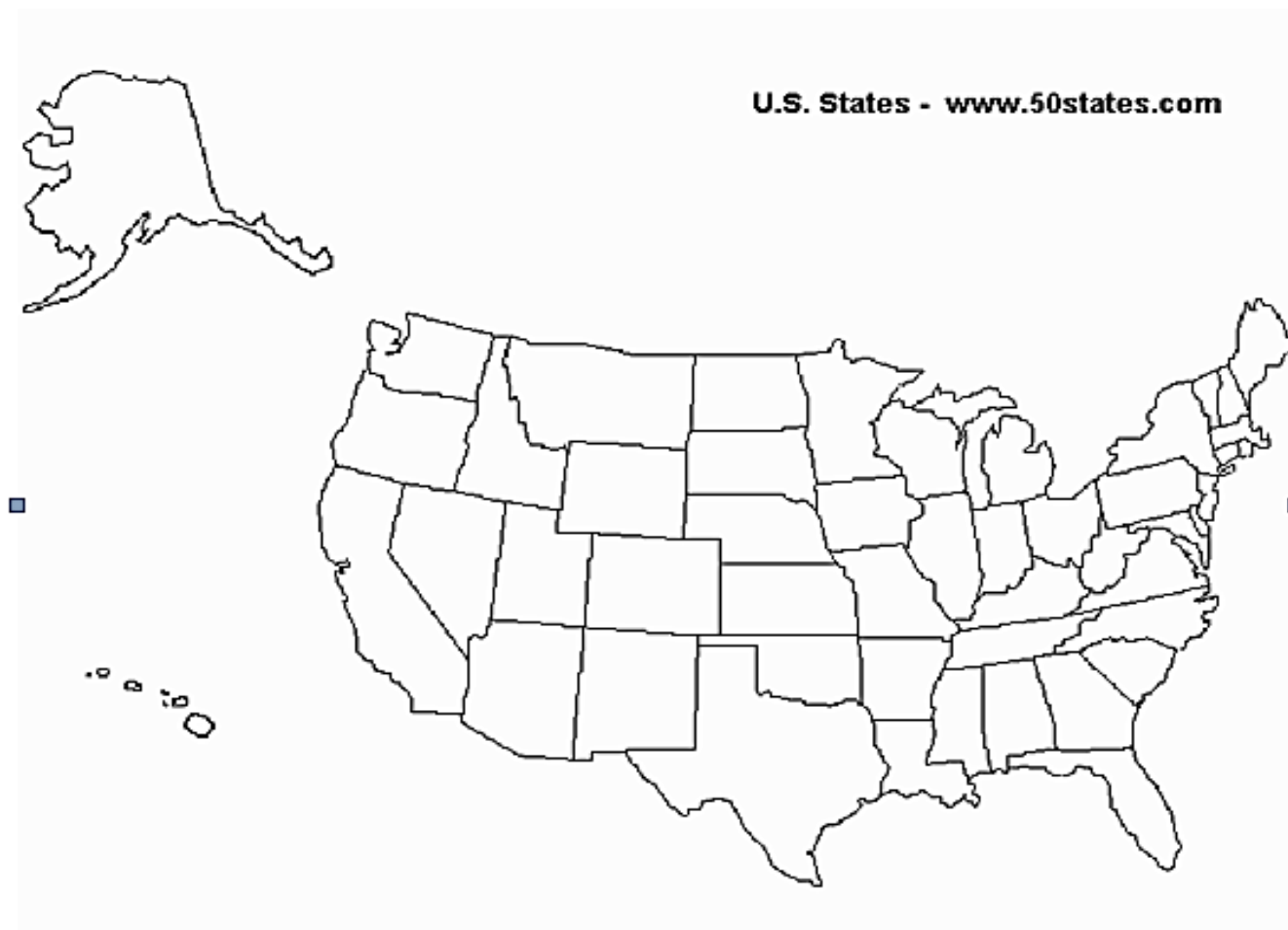
Click in each link to find the answers for each question. You should record your questions and answers on your paper.

[Site 1: Air Masses - The Basics](#)

1. What is an air mass? _____
2. Where do polar and tropical air masses develop? _____
3. For each of the four air masses, what is the description this website gives? _____
4. Why is the United States not a great place for air masses to form? _____

[Site 3: Air Masses - More Information](#)

5. Label the air masses on the map with the appropriate abbreviation.



6. What do the letters "K" or "W" mean when attached to an air mass? _____

7. When does America have typically have its most violent weather? _____ Why?

[Site 4: Air Mass Visualizations](#)

8. In the first illustration, what kind of air mass is passing over the region? What type of weather will it bring? _____

9. In the second illustration, what kind of air mass is passing over southern California? What type of weather will it bring? _____

[Site 5: Front Illustrations](#)

10. Click on the "Cold Front." What happens in the illustration? _____

11. Click on the "Warm Front." What happens in the illustration? _____

12. In both the cold front and the warm front, warm air rises and cold air stays near Earth's surface. How are they different?

[Site 6: Cold Fronts](#)

13. What is a cold front and in what direction does one typically move? _____

14. How are cold fronts represented on a weather map? _____

15. From the chart at the bottom of the page, what happens to the wind as a cold front passes through? What about the precipitation? _____

[Site 7: Warm Fronts](#)

16. What is a warm front and in what direction does one typically move? _____

17. How are warm fronts represented on a weather map? _____

18. From the chart at the bottom of the page, when a warm front passes through an area, what happens to the temperature and precipitation levels in that area? _____

[Site 8: Stationary Fronts](#)

19. What is a stationary front and what type of weather does one typically bring?

20. What is the weather map symbol for a stationary front? _____

Site 9. <https://climate.ncsu.edu/edu/k12/.fronts>

http://www.phschool.com/atschool/phsciexp/active_art/weather_fronts/

22. How does an occluded front form? _____

23. What is the weather map symbol for an occluded front?

[Site 9: Review Quiz](#) Got to the above website and answer all 15 questions. When you finish, write down your score as the number you got right (out of 15) and the percent (out of 100) it equals.