

Atmosphere Unit

Across

5. dry and warm airmass

7. transfer of heat energy that occurs when particles collide

8. wet and cold airmass

9. the temperature at which air must be cooled at constant pressure to reach saturation

10. where ozone absorbs UV radiation and increases in temperature with altitude

14. transfer of heat energy by the flow of a heated substance

15. particles in the air around which cloud droplets can form

16. rising air forms along fronts and creates rainy, stormy weather

18. global wind system that moves weather across U.S.

20. the most abundant gas in our atmosphere

21. sinking air stops clouds from forming and creates sunny, clear weather

22. the transfer of energy through space by electromagnetic waves

Down

1. when a cold front wraps around warm front

2. the layer in the atmosphere where meteors burn up

3. when warm air hits cold air and warm air gently glides up the cold front

4. the layer that contains the most mass of the atmosphere

6. air mass is forced to lift due to topography, cooling down quickly in the process

7. when cold air hits warm air and forces warm air violently up

11. the transfer of energy that occurs due to a difference in temperature

12. when a warm or cold front stops moving for several days

13. occurs when cloud droplets collide and join together

17. occurs when air moves from areas of high pressure to areas of low pressure

19. the amount of water in air compared to the amount of water the air can hold at capacity