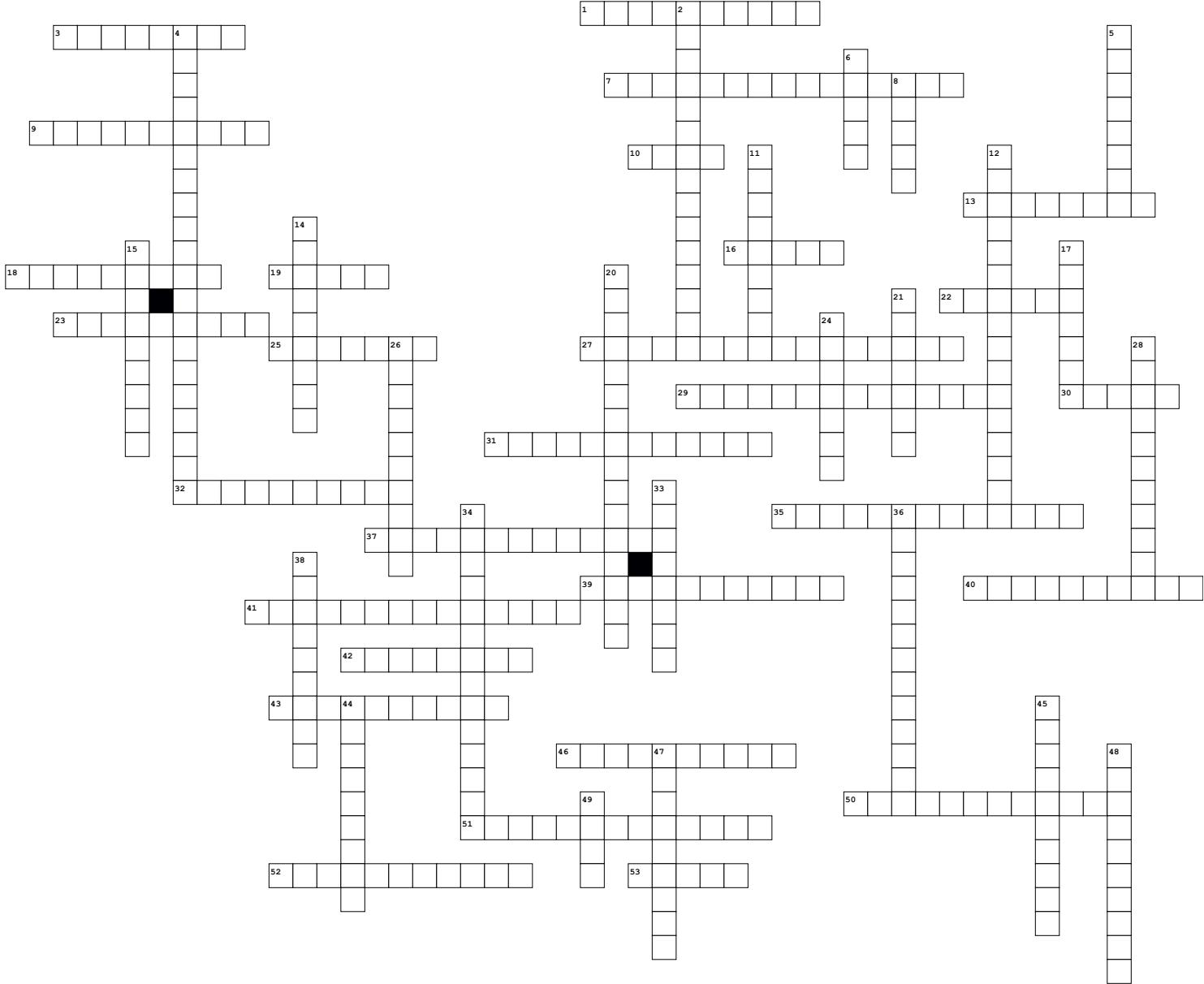


Honors Atmosphere Unit Crossword



Across

- the thin envelope of gases that surround the planet
- lines connecting areas of similar temperature
- these are used to carry measuring devices high into the atmosphere to learn more about high altitude conditions
- the transfer of heat through touch
- the movement of air from high pressure to low pressure
- the temperature at which condensation occurs
- the barrier between two air masses where much of our changing weather occurs

Down

- this front can last for a long time because neither air mass can move each other.
- a form of energy that can move through the vacuum of space
- precipitation that is more acidic than normal due to pollution in the air
- an overflowing of water in a normally dry area
- a toxic form of oxygen that is harmful to breathe
- a local wind created when the land heats up faster than the water

18. the discharge of static electricity that builds up in a thundercloud. can be 3 times hotter than the surface of the sun

19. this form of precipitation starts as rain then freezes into an ice pellet before hitting the ground.

22. lines connecting areas of similar air pressure

23. the transfer of energy through electromagnetic waves

25. a long period with little or no precipitation.

27. this describes an airmass that forms over the water and near the equator

29. pollution that is widely spread and cannot be tied to a specific origin

30. a violet disturbance in the atmosphere

31. a storm accompanied by heavy precipitation, loud thunder and dangerous lightning

32. a dome of water brought on shore by the hurricane

35. the evaporation of water through the leaves of trees and plants

37. a scientist who studies and predicts weather

39. when a cold air mass blows in from Canada over the great lakes and dumps feet of snow

40. a local wind created when the water cools down slower than the land. occurs at night time.

41. a gas that forms from burning fossil fuels. it can lead to nausea, headaches and even death

42. the amount of water vapor in the air

43. these objects orbit high above earth in space gathering data for meteorologists

46. the movement of water from the Earth's surface, to the atmosphere and back again

50. when water vapor cools down and turns into liquid water

51. the energy of motion in the particles of a substance (heat)

52. a specific, identifiable source of pollution

53. a radioactive gas that forms from the decay of certain rocks

12. this effect is caused by gases trapping heat in the atmosphere

14. this type of front brings about extreme weather like thunderstorms and sometimes tornadoes

15. the opposite of a cyclone, a high pressure center of dry air

17. a huge body of air that has similar temperature, pressure and humidity

20. the amount of water vapor in the air compared with how much can fit based on the temperature of the air

21. a swirling center of low pressure

24. an extremely fast spinning column of air

26. a tool used to measure relative humidity

28. the force of the air pushing against an object

33. the distance above sea level

34. this effect is caused by the rotation of the earth and gives wind an apparent curve in their path

36. any form of water that falls to earth from a cloud

38. a cyclone whos winds exceed 119km/h

44. pollution that is released into the air

45. bands of high speed winds about 10km above Earth's surface

47. a device that measures the amount of precipitation

48. the transfer of heat through density differences in a fluid

49. this form of precipitation occurs in thunderclouds and forms in layers