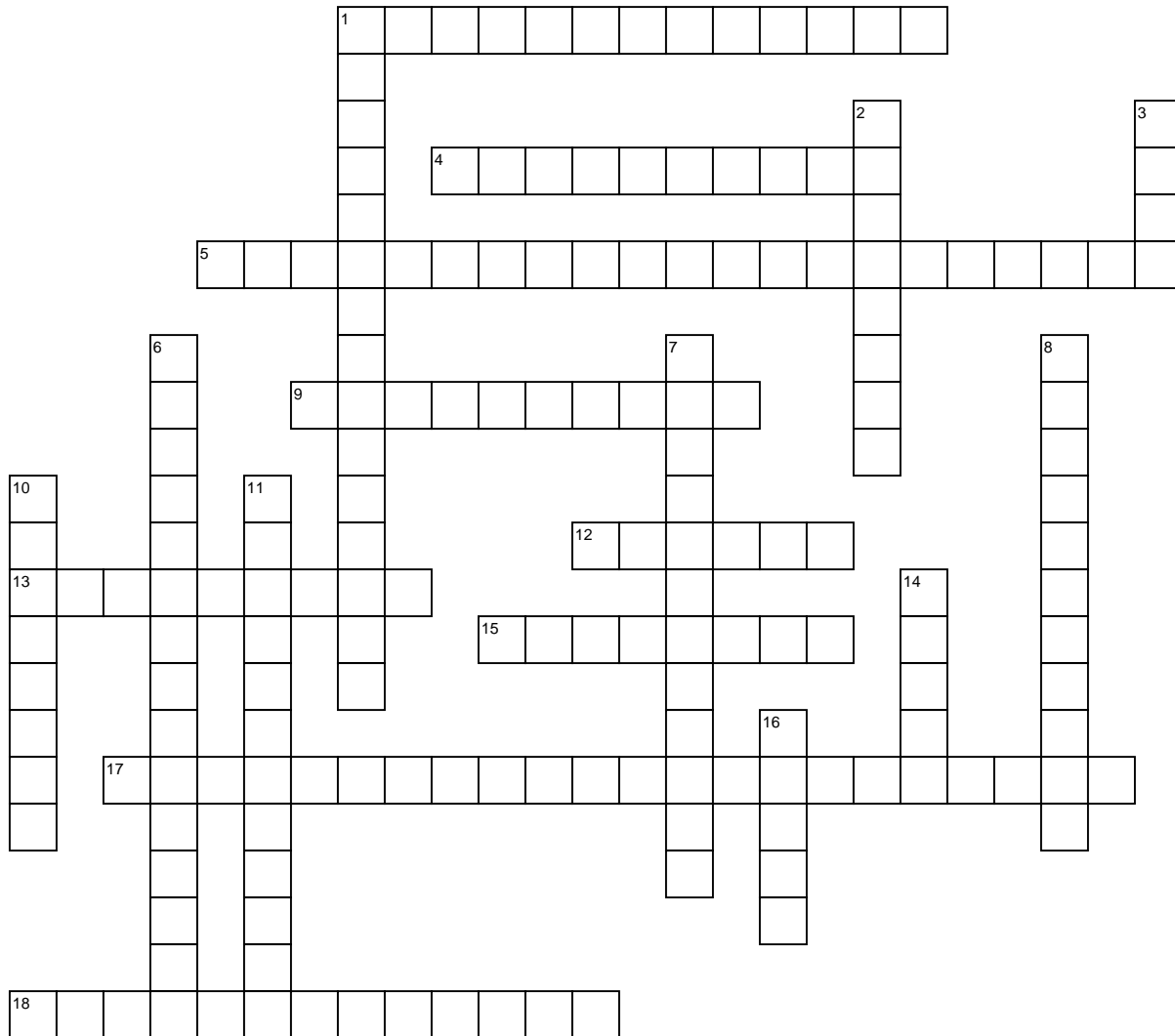


Roland-Story Meteorology Class

Chapter 12 --Weather Forecasting



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ACROSS

- 1 is a type of weather observing equipment that uses radar or sound waves to detect the wind speed and direction at various elevations above the ground
- 4 areas of higher velocity winds found within the jet streams
- 5 technique that forms the backbone of modern weather forecasting
- 9 short term weather forecasting techniques that are generally applied to predict severe weather
- 12 a computer generated forecast dealing with prognostic charts
- 13 a weather forecasting method based on the solution of calculations and computers
- 15 forecast method that entails the production of many forecasts in order to reflect the uncertainty in the initial state of the atmosphere
- 17 the federal weather agency responsible for gathering and sending out weather information
- 18 a satellite that stays over a fixed point

DOWN

- 1 predicting the future state of the atmosphere
- 2 lines of equal wind speed
- 3 Automated surface observing system that uses automated equipment on a regular and routine surface observations
- 6 the stage prior to developing a weather forecast
- 7 a statistical approach to weather forecasting
- 8 a forecast method based on 'today will be tomorrow'
- 10 a weather map that describes the state of the atmosphere over a large area at a given moment
- 11 past weather events
- 14 satellites that orbit the poles at low altitudes
- 16 a forecast method used for the short term and is based on what is upstream will be your next weather pattern