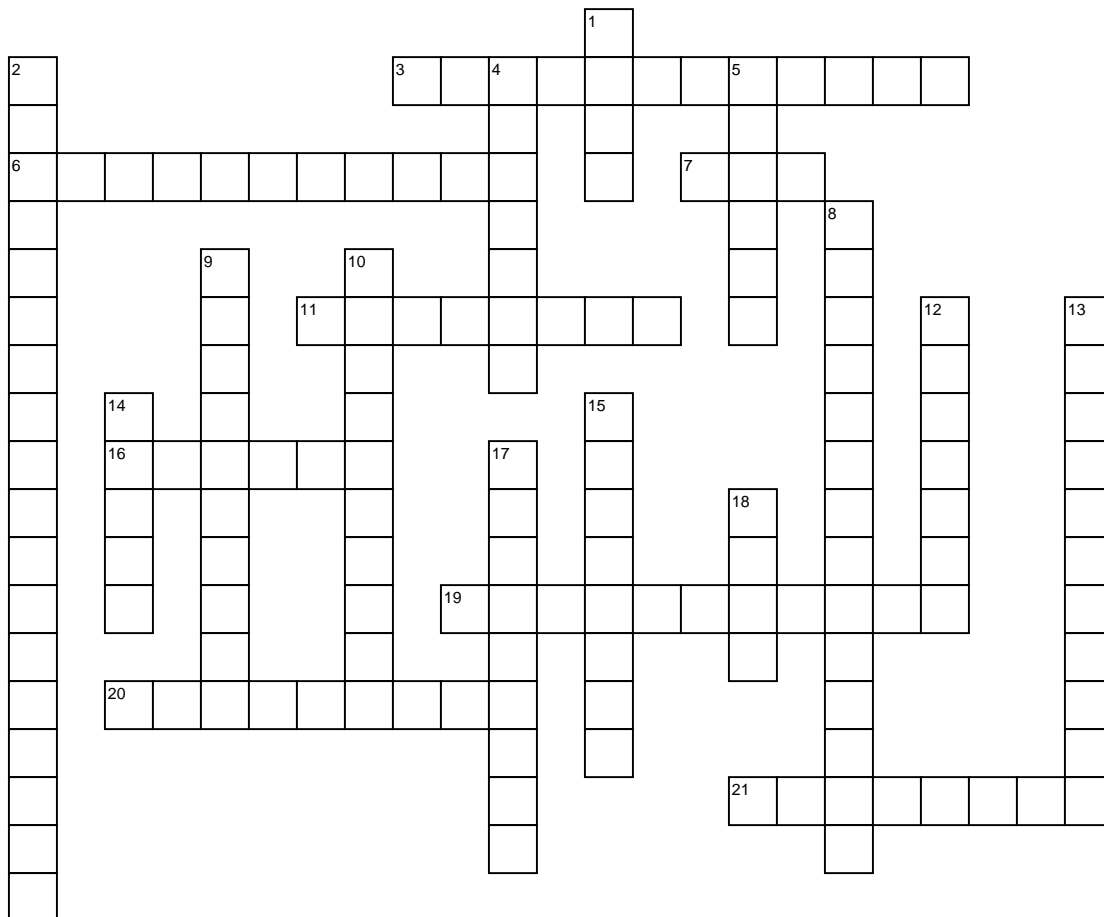


# Roland-Story Meteorology Class

## Chapter 6 -- Air Pressure and Winds



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### ACROSS

- 3 the curved airflow pattern around a pressure center resulting from a balance among pressure gradient forces
- 6 is a weather phenomenon in which there is a descending movement of the air and a high pressure area over the part of the planet's surface affected by it
- 7 areas that have less atmospheric mass above their location
- 11 unit of pressure
- 16 a contour line of equal or constant pressure
- 19 the condition that exists when the wind distribution within a given region results in a net horizontal inflow of air into the area
- 20 is an instrument used to measure atmospheric pressure
- 21 is a movable device attached to an elevated object such as a roof for showing the direction of the wind

### DOWN

- 1 is the flow of air or other gases that compose an atmosphere
- 2 A standard reference value for air pressure
- 4 a type of barometer that consists of empty metal chambers
- 5 an elongated region of low atmospheric pressure
- 8 a wind that consistently blows from one direction
- 9 an instrument used to determine wind speed
- 10 the condition that exists when the wind distribution within a given region results in a net horizontal outflow of air into the area
- 12 is an area of low atmospheric pressure characterized by inward spiralling winds that rotate counter clockwise in the northern hemisphere
- 13 the force exerted by the weight of a column of air above a given point
- 14 a region of high atmospheric pressure
- 15 a device like a wind mill to detect wind speed and direction
- 17 is a recording aneroid barometer
- 18 areas have more atmospheric mass above their location