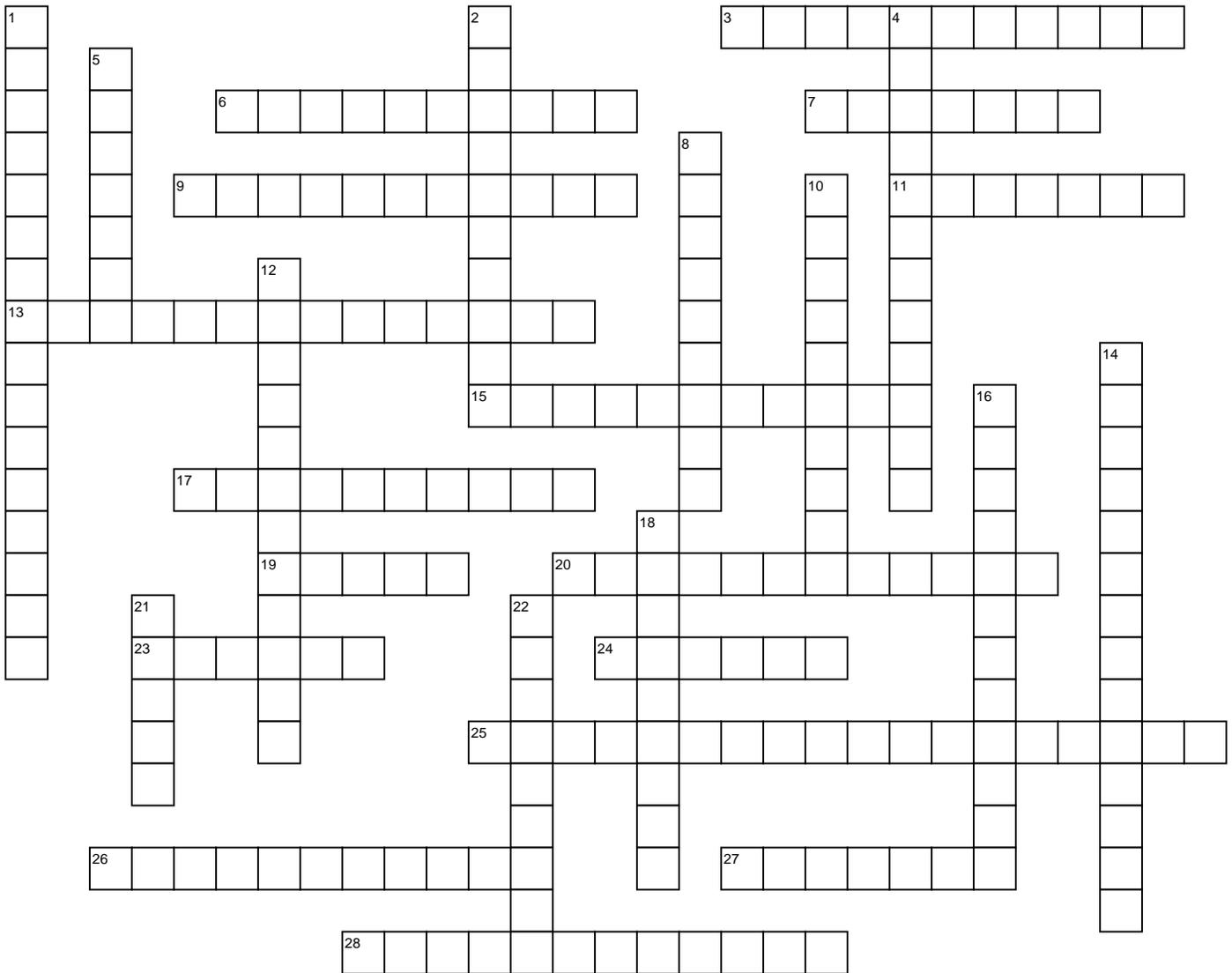


# Roland-Story Meteorology Class

## Chapter 10 -- Thunderstorms and Tornadoes



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### ACROSS

- 3 is a scale for rating tornado intensity
- 6 small short lived straight-line downburst of wind that occur under some thunderstorms
- 7 is a violent, rotating column of air which is in contact with both the surface of the earth and a cumulonimbus cloud
- 9 is a vortex of air within a convective storm
- 11 is a thunderstorm that is generally weak and usually not severe
- 13 is an alert issued by government weather services to warn an area that a tornado may be imminent
- 15 a phenomenon of the atmosphere
- 17 is a path of ionized air which extends downward from a thundercloud during a lightning strike
- 19 is a system that uses electromagnetic waves to identify the range, altitude, direction and speed of both moving and fixed objects
- 20 is a form of weather characterized by the presence of lightning and thunder
- 23 the path of ionized air that forms near a cloud base prior to a lightning strike
- 24 a component that makes up a flash of lightning
- 25 thunderstorm that produces frequent lightning, damaging winds, and hail
- 26 the second stage of thunderstorms
- 27 a narrow zone in the atmosphere along which there is an abrupt change in moisture
- 28 the beginning stage in thunderstorm development
- 2 is a line of severe thunderstorms that can form along or ahead of a cold front
- 4 is issued when weather conditions are favorable for the development of severe thunderstorms capable of producing tornadoes
- 5 is the sound made by lightning
- 8 is an atmospheric discharge of electricity
- 10 is the cloud-to-ground movement of electrons which occurs just before a secondary lightning stroke
- 12 is a radar using the doppler effect of the returned echoes from targets to measure their radial velocity
- 14 tornadoes that contain several smaller vortices
- 16 is a secondary discharge resulting from the downward movement of electrons
- 18 is a storm-scale or mesoscale boundary separating thunderstorm-cooled air from the surrounding air
- 21 is a secondary discharge of lightning
- 22 is a severe thunderstorm with a deep, continuously rotating updraft

### DOWN

- 1 the final stage of a thunderstorm