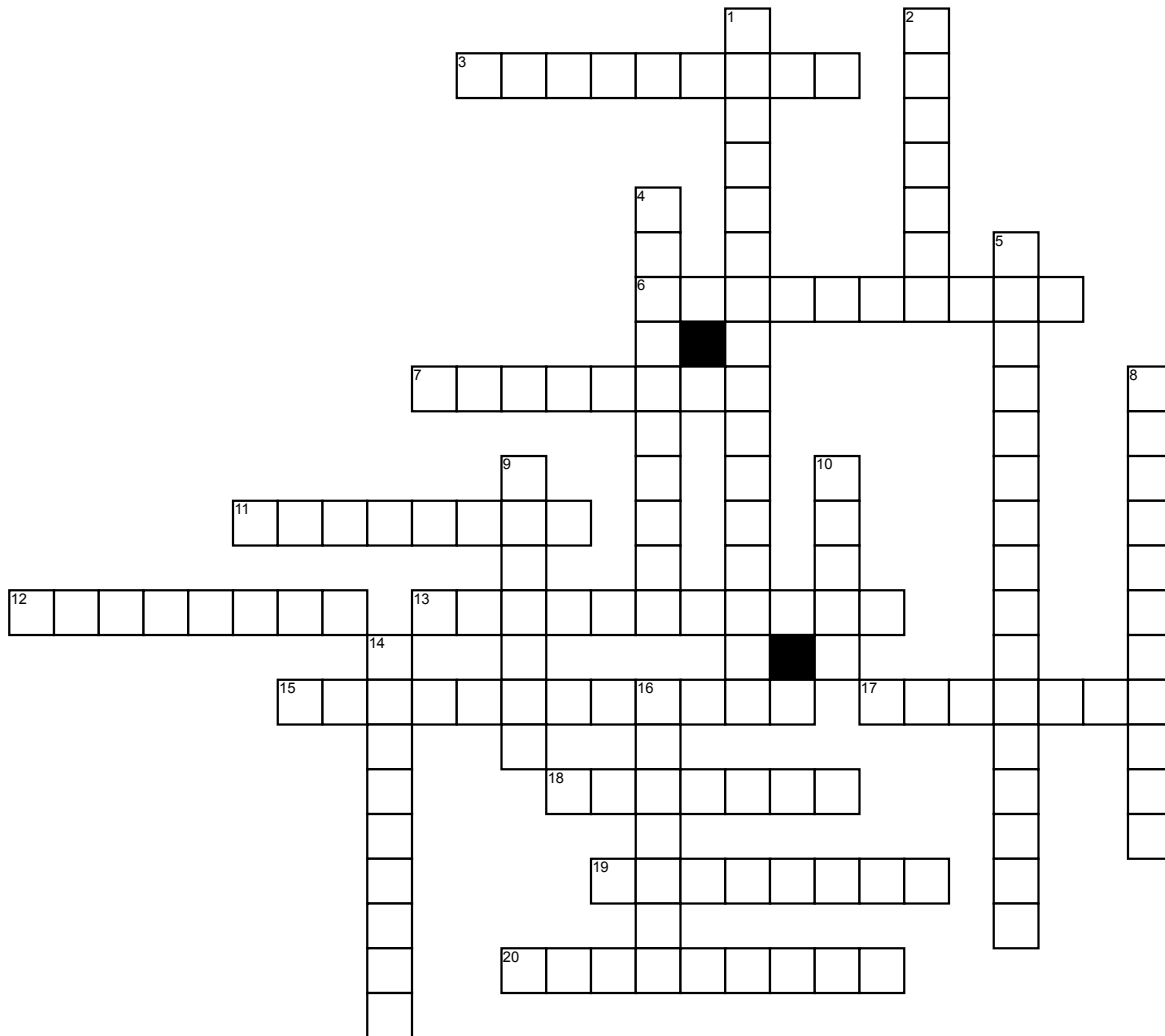


# weather patterns



## **Across**

**3.** the boundary of an advancing mass of cold air, in particular the trailing edge of the warm sector of a low-pressure system.

**6.** an instrument for measuring the speed of the wind, or of any current of gas.

**7.** The dew point (dew point temperature or dewpoint) is the temperature at which dew forms and is a measure of atmospheric moisture.

**11.** a composite front produced by occlusion.

**12.** the state or quality of being humid.

**13.** a weather system with high atmospheric pressure at its center, around which air slowly circulates in a clockwise (northern hemisphere) or counterclockwise (southern hemisphere) direction.

**15.** a storm with thunder and lightning and typically also heavy rain or hail.

**17.** the weather conditions prevailing in an area in general or over a long period:

**18.** a body of air with horizontally uniform temperature, humidity, and pressure.

**19.** air coming originally from polar regions but having humidity and temperature properties modified by passing over relatively warm oceans.

**20.** an instrument measuring atmospheric pressure, used especially in forecasting the weather and determining altitude.

## **Down**

**1.** air mass is an air mass formed over land in a cold region with cold dry air.

**2.** a system of winds rotating inward to an area of low atmospheric pressure, with a counterclockwise (northern hemisphere) or clockwise (southern hemisphere) circulation; a depression.

**4.** a weather condition in which the boundary between a cold air mass and a warm air mass is stationary

**5.** the ratio of the partial pressure of water vapor to the equilibrium vapor pressure of water at the same temperature.

**8.** an instrument for measuring and indicating temperature, typically one consisting of a narrow, hermetically sealed glass tube marked with graduations and having at one end a bulb containing mercury or alcohol that expands and contracts in the tube with heating and cooling.

**9.** the state of the atmosphere at a place and time as regards heat, dryness, sunshine, wind, rain, etc.:

**10.** Surface of separation of two air masses.

**14.** a storm with a violent wind, in particular a tropical cyclone in the Caribbean.

**16.** a mobile, destructive vortex of violently rotating winds having the appearance of a funnel-shaped cloud and advancing beneath a large storm system.