

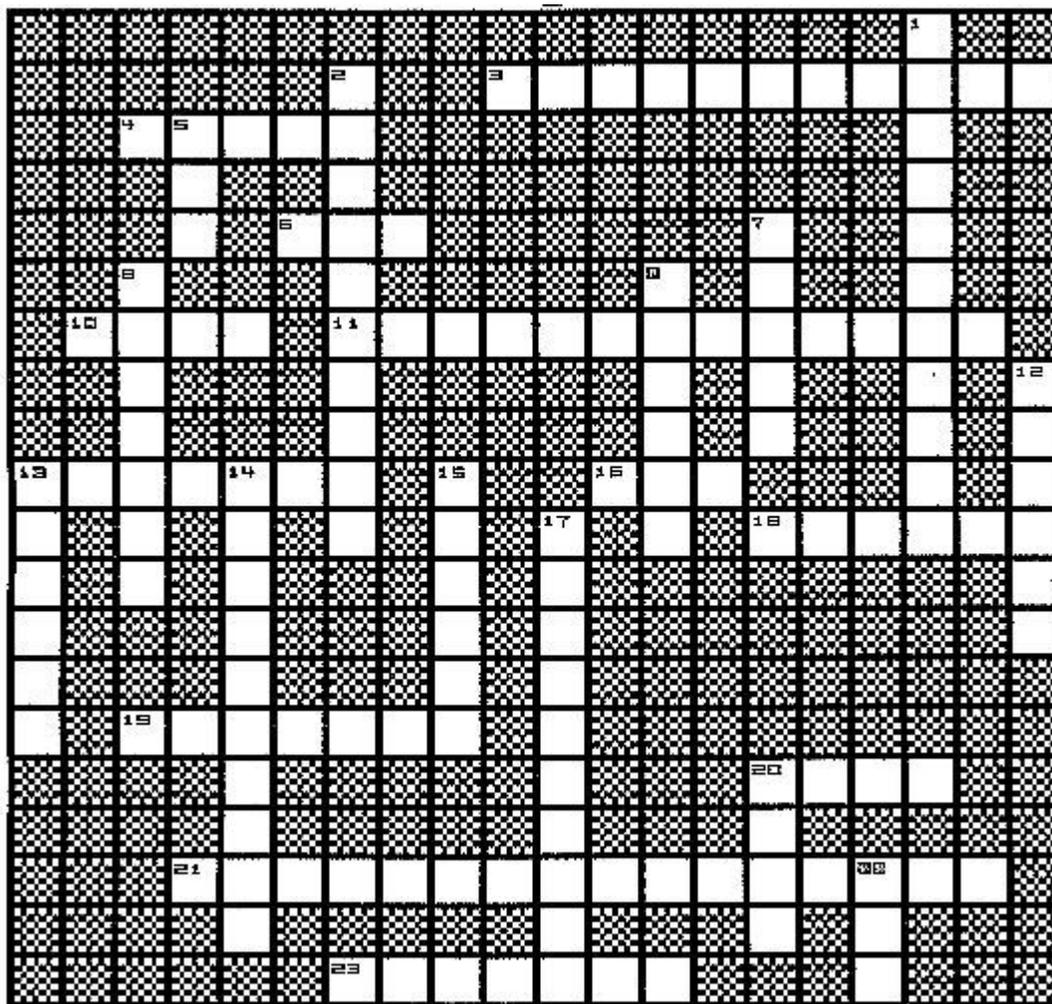
WEATHER.10A

Name: _____
Due Date: _____

**EAS-100-51: EARTH SCIENCE
HOMEWORK No. 10A**

Note:
This assignment contains 2 crosswords, which must be completed together, and counts as ONE assignment.

Puzzle 10A:



Clues for Puzzle 10A:**ACROSS CLUES**

3. Measure of the average kinetic (motion) energy of matter, in terms of heat.
4. Precipitation in the form of small, clear-to-translucent particles of ice.
6. A cloud which is at or near the surface of the earth.
10. Prefix meaning "middle" altitude.
11. General term for the formation of liquid water from water vapor.
13. The short-term state of the atmosphere at a particular place.
16. The ultimate source of most of the earth's heat, and thus its weather.
18. Altitude at which most stratus clouds are found.
19. Puffy, billowy clouds
20. Altitude at which cirrus clouds are found
21. Measure of the amount of water vapor that the air can hold at a given temperature.
23. Layered clouds which often cover the entire sky.

DOWN CLUES

1. Phenomenon whereby pure water may be cooled far below 0 degrees Celsius without freezing.
2. The envelope of gases which are held by the earth's gravity.
5. Altitude at which cumulus clouds develop.
7. Freezing rain; forms slick coat of ice on the ground.
8. The aggregate or composite of weather over a long period of time.
9. Wispy, feathery clouds composed of ice crystals.
12. Term used to describe how much an object reflects sunlight (in terms of percent).
13. The season during which the angle of sunlight is lowest with respect to the earth's surface.
14. Device which directly measures relative humidity; commonly uses fibers which change length.
15. Term used to describe any type of rain cloud.
17. Heat energy released when water changes its state.
20. Precipitation in the form of hard, rounded pellets, or irregular clumps of ice.
22. Frozen water.

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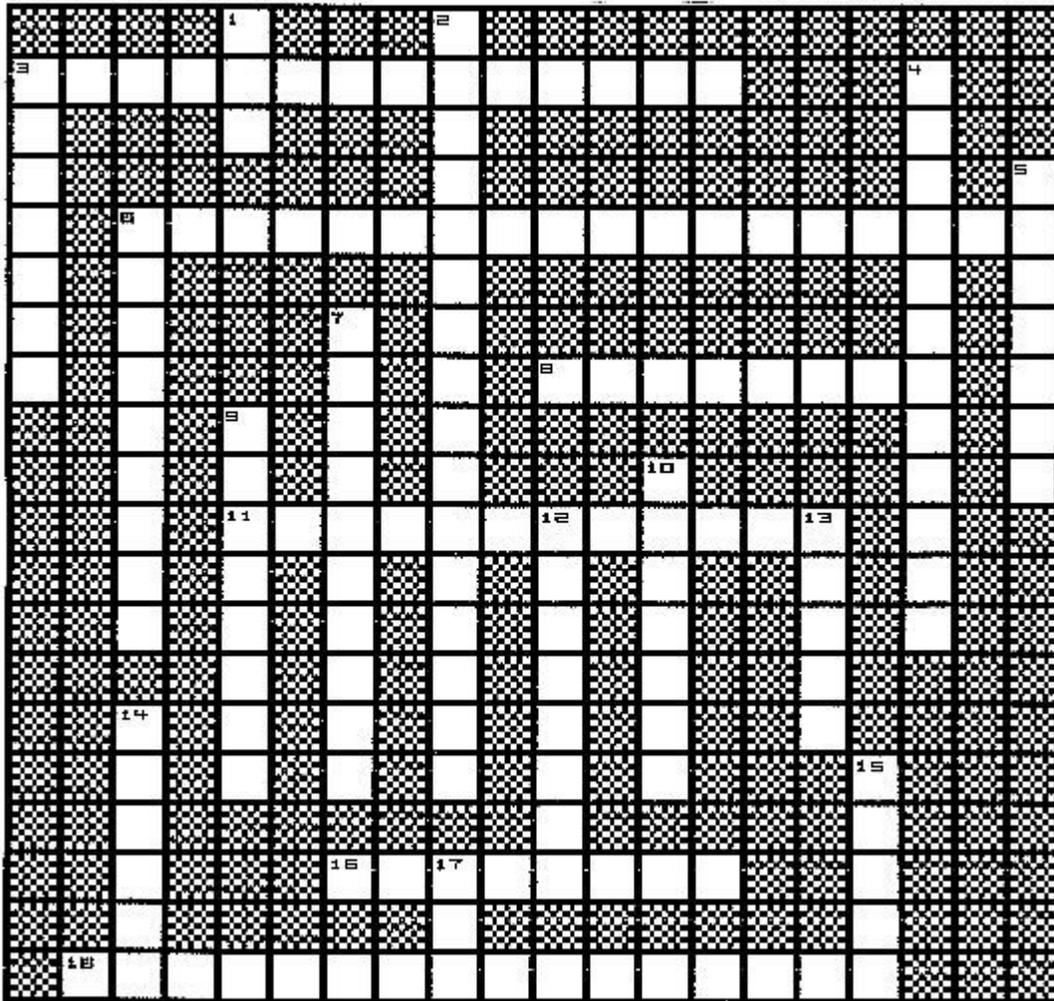
WEATHER.10B

Name: _____
Due Date: _____

EAS-100-51: EARTH SCIENCE HOMEWORK No. 10B

Note:
Assignment #10 contains 2 crosswords, which must be completed together, and counts as ONE assignment.

Puzzle 10B:



Puzzle 10B Clues**ACROSS CLUES**

3. Apparent deflection of an object due to the Earth's rotation.
6. Forthcoming weather may be predicted by noting the ---- ---- (2 words).
8. Basic unit of atmospheric pressure
11. Another name for high pressure centers.
16. What a barometer measures.
18. On a weather map the spacing of the isobars indicates the ---- ---- (2 words) over a given distance.

DOWN CLUES

1. Type of pressure system generally associated with bad weather.
2. Upper air wind which blow parallel to the isobars on a map.
3. A dry wind which originates in the Rocky Mountains; name means "snow eater."
4. Violent electrical storm, producing audible rumbling caused by rapid heating of air.
5. Part of a hurricane where the winds and rain are most intense.
6. Instrument which measures atmospheric pressure.
7. Fast-moving "rivers" of air which move at 75 to 150 miles per hour in the upper atmosphere.
9. Here, the altitude is defined as "zero."
10. Violent wind storm characterized by a rapidly rotating funnel cloud.
12. Centers of low pressure.
13. A hurricane which "slows down" its wind speeds to 38 to 74 miles per hour is reclassified as a tropical ----.
14. Lines which connect points of equal pressure on a weather map.
15. The boundary between 2 adjoining air masses having contrasting characteristics.
17. The calm center of a hurricane.