8th grade Earth Science

Go outside, walk around your yard, or sit and observe the troposphere for 5 or 10 minutes. I’m wondering if you’ll observe at the same time every day…hummm. Answer the first table just by observing. Then use a web site to find the second table. Google… Sidney airport weather (and pick the site that says Sidney Municipal Airport, NOAA) or NOAA’s National Weather Service web site. Fill out your chart all week long, seeing if your observations start to match the actual numbers! After Friday’s chart, there are two final questions. Also, fill in the definitions below.

 Warm air can hold more of this than cold air

 The percent of water vapor in the air compared to how much the air can possibly hold at that temperature

 The temperature at which condensation first begins

 A measure of cooling of the air combining temperature and wind speed

 Are classified by shape then altitude.

 Low clouds, complete cover, possible precipitation but ok day

 Mid level clouds, fluffy cotton, fair day

 High clouds, thin wispy, fair day

 WORD BANK: Cumulus Dew Point Cirrus Water Vapor Wind Chill Stratus Relative Humidity Clouds

Day: Date: Time:

Observe and Predict

 Cloud cover? Name them. Is it breezy? Wind coming from which direction? General Weather? Fair? Cloudy? Precip? Temp prediction? Air pressure? H (nice day) or L (changing weather)

Actual website numbers

 Outside temperature? Wind Speed? Wind Direction? Wind chill temp? Relative Humidity? Dew Point temp? Air Pressure in mb? Air Pressure in inches of mercury?

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Final Question #1 : In a complete sentence, tell me one thing you noticed in your weather charts during the week?

Final Question #2: In a complete sentence, or send a picture, tell me one funny/weird thing that you noticed or that happened while you were doing this assignment!