Reporting the weather Forecaster’s Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Go to edheads.org🡪Choose an activity🡪 Scroll down to weather. Start at Level 1 and work up to level 3.*

*Draw all the weather symbols and write the type of weather that is associated**with* ***low pressure, high pressure, warm front and cold fronts*** *(Use your weather report or your score sheet to help you!)*

|  |  |
| --- | --- |
| Low pressure | High Pressure |
| Cold Front | Warm Front |
| Snow | Sunny |
| Partly Cloudy | Thunderstorm |
| Cloudy | Rain |

Score for level 1

Score for level 2

Score for Level 3

Predicting the weather

A front is system that\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Predicting the weather for Springfield Illinois

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Practice run | Monday (warm front) | Tuesday (Cold Front) | Wednesday(Cold Front) |
| Temperature  (0F) |  |  |  |  |
| Precipitation  (Draw Symbol) |  |  |  |  |
| Cloud cover  (Draw) |  |  |  |  |
| How far it will travel in miles (do the math) |  |  |  |  |

How did the warm front affect Springfield? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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How did the cold front affect Springfield? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Level 2: Predicting the weather for Kansas City, Missouri Fronts and pressure systems)***

Write in the wind direction of low and high pressure systems in the northern hemisphere (Put in arrows to show direction)

***Wind direction\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Wind Direction\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

**L**

**H**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Practice Run | Monday (Low Pressure + warm front) | Tuesday  (Cold front) | Wednesday  (High Pressure) |
| Temperature (0F) |  |  |  |  |
| Precipitation  (Draw Symbol) |  |  |  |  |
| Cloud cover  (Draw Symbol) |  |  |  |  |
| How far it will travel in miles (Calculate!) |  |  |  |  |
| Wind Direction |  |  |  |  |

Which system travelled faster, the cold front or the warm front? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In general how did the high pressure system affect the weather? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Level 3 – Predicting the weather in Oklahoma City***

High pressure systems push air away from the center “H” and usually result in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Low pressure system pulls air into the center “L” usually causing\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Air from a larger body of water is usually \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than air coming from a dry place like Canada or the middle of the United States.

***Moist Air***

**Blue**

**brown**

***Dry air High Humidity***

***Low Humidity***

***Oklahoma City***

|  |  |  |  |
| --- | --- | --- | --- |
|  | Monday (warm front) | Tuesday | Wednesday(High Pressure) |
| Air Pressure |  |  |  |
| Humidity |  |  |  |
| Wind Direction |  |  |  |
| How far it will travel in miles (Calculate) |  |  |  |
| Wind Speed |  |  |  |