

Winds and Fronts – Weather Task #8 Name _____



View this movie and fill in the following, then take the quiz:
BrainPOP- Wind <http://www.brainpop.com/science/weather/wind/index.weml>

Wind is caused by the _____ unevenly heating the Earth’s atmosphere. Rising warm air leaves areas of _____ pressure. Cool air moves in to fill it. Warm air cools off and sinks back down.

Prevailing winds blow all the time over a particular part of the world. Warm air moves away from the _____ and towards the _____ where it cools off.

Jet streams are _____ km off the ground with one over each _____. They move at _____ kph. They can move big _____ of _____ and really affect the weather.

Trade winds are mild constant winds that blow towards the _____ from the _____ or _____. Where the trade winds meet is called the _____, a calm area where there is hardly any wind at all.

Wind power can be harnessed to make _____.

QUIZ: _____

Go to this web site to answer the following:
[http://ww2010.atmos.uiuc.edu/\(Gh\)/guides/mtr/af/frnts/home.rxml](http://ww2010.atmos.uiuc.edu/(Gh)/guides/mtr/af/frnts/home.rxml)

1. What is a front? _____

2. What is a stationary front? _____

3. What is a cold front? _____

4. What is a warm front? _____

5. What is an occluded front? _____

Current Weather Fronts:

Go to: http://www.weather.com/maps/maptype/currentweathersnational/index_large.html



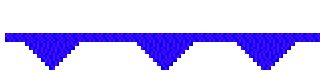
Today's Date: _____

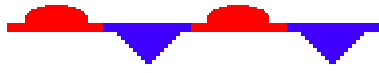
Using today's weather map, pencil in any and all fronts that are present. Use a **blue** colored pencil for **cold** fronts and a **red** colored pencil for **warm** fronts. If it is **raining**, shade in the area with a **green** pencil. If it is **snowing**, use a **grey** pencil. Mix of **rain, snow, and ice** use a **pink** pencil, and **yellow** for areas of **fog**.

Put an **H** for areas of **High** Pressure and **L** for areas of **Low** Pressure

View the pictures of fronts that I have bookmarked for you and answer these questions:

Name these symbols:







Circle the correct answer in each sentence:

1. Cold air (sinks/rises) while warm air (sinks/rises).
2. Clouds form (in front/behind) the cold front.
3. (Cold fronts/Warm fronts) cause precipitation to fall for shorter yet intense periods of time.
4. (Cold fronts/Warm fronts) cause precipitation to fall for longer periods of time but less intensely.