Air Masses & Fronts

Week of 10/12

Science starter...Please take this Self-assessment quiz on page of your Notebook.....DO NOT USE any resources!

1. Air masses are classified by which two features?
2. How does an air mass get its characteristics?
3. Describe a cP air mass.
4. Where might a mT air mass form?
5. When two air masses meet, this is called a _____.
6. Describe the weather that would occur at a COLD front.
7. When a warm air mass and a cold air mass can not push each other out of the way, we call this what type of front?
8. What does the symbol below represent on a weather map?

Self-assessment answers

1. temperature and humidity (moisture in air)
2. from the land in which is was formed over
3. Cold, dry air mass
4. Over the Gulf of Mexico (Caribbean Ocean), over the equator/ocean
5. Front or Frontal boundary
6. Thunderstorms, violent rainy weather (then temperatures will drop and the weather will clear)
7. Stationary Front
8. Warm Front

Self-Assessment Results

Novice: 0-2 Correct

Apprentice: 3-4 Correct

Practitioner: 5-6 Correct

Expert: 7-8 Correct

Select your activity

Find your level and complete ONE activity within the box.

Novice Activities:

- Create picture flashcards with the different types of air masses and fronts (vocab on front board)
- Complete Air Masses Independent assignment
- Create a foldable using vocab on front board)
- Use Educreations app to make a video on Air Masses (Class code: UDDGAWZ)

Apprentice Activities:

- Complete Air Masses Independent Assignment
- Create a one pager on Air Masses (instructions on side counter)
- Create a memory jogger (instructions on side counter)
- Create a song or rap about air masses and fronts

Expert Activities:

- Investigate recent Polar Vortex events using your Chromebook. Write a one page summary of what a polar vortex is and how it relates to cA air masses.
- Use Discovery Education to make a Board on the relationships of Air Masses and Fronts to Weather
- Design a lesson on Air Masses and Fronts for the class

Practitioner Activities:

- Create a Google Presentation on the Types of Air Masses
- Creative writing: tell the story of an air masses journey from the North Pole
- Make a children's booklet on Air Masses and Fronts
- Use Discovery Education Board Builder to make a presentation