Part 1: Guiding Questions

Read Chapter 10, Lesson 1 pgs.372-374. Then choose another resource (Operation: Monster Storms article, Nat. Geo. Article, or the about.com article) to read for more information. Then answer the questions below. Be sure to cite your sources for every question!

Citing Sources Examples: (textbook, pg. 303) or (science journal, pgs. 69-70) or (Operation: Monster Storms, pg. 30)

*You may work with 1 other person, but BOTH partners must complete Part 1 and their own project (Part 2) to turn in.*

**Once you have completed Part 1, please bring to Mrs. Genetti for approval to move on to Part 2.**

1. What are the two main gases and their percentages that make up the air in the atmosphere?

2. What happens to the air as you gain altitude in the atmosphere?

3. What are the main layers of the atmosphere and what is one important thing about each one?
   a. Main Layer
      i. Important thing-
   b. Main Layer
      i. Important thing-
   c. Main Layer
      i. Important thing-
   d. Main Layer
      i. Important thing
4. What are the minor layers of the atmosphere, what is one important thing about each one, and which major layer are they a part of?
   a. Minor Layer
      i. Important thing-
      ii. Part of this major layer
   b. Minor Layer
      i. Important thing-
      ii. Part of this major layer
   c. Minor Layer
      i. Important thing-
      ii. Part of this major layer
   d. Minor Layer
      i. Important thing-
      ii. Part of this major layer

5. Which layer do you think is the most important layer to you? Give two reasons explaining your thinking.

6. What two layers protect us? What do those two layers protect us from?

7. Which layer acts like a giant magnet? What does it attract?

8. What is the definition of atmosphere?
**Must have Part 1 approved before starting Part 2!!**

**Part 2: Project**

Choose 1 project to develop to demonstrate what you learned from ALL the guiding questions. The information in each guiding question must be included in your final project! Be prepared to present your project to the class on **Wednesday, January 9th**. Remember projects must be able to fit inside your journal.

**Before you turn in your project to Mrs. Genetti, you must have 1 other person (besides your partner) complete a green Peer Grading Sheet for it.**

Project Choices:
- Layer Booklet
- Poster
- Poster with flaps
- Brochure
- Foldable

Tips for ALL projects:
- Include color and illustrations
- Written neatly
- Colored neatly
- Accurate spelling
- Answers all the guiding questions
- Your heading is on the front or back
- The size of your project should be able to fit inside your journal. All projects will eventually be glued in your journal.