

1. Draw the layers of the atmosphere in order with items that are significant for each layer. Include temperature change changes.

2. Differentiate between and give example of (you CAN DRAW) heat transfer. All three types.

3. Explain what heat capacity is and how it is different for different materials on earth. Also include why that affects weather (wind).

4. Draw and label a convection current, then connect it to weather by drawing convection currents in diagrams of both local winds.

5. How does climate differ depending on whether you are near the coast or inland? Why?

6. Fill out table with everything you know about air masses.

Air Mass	Temperature	Moisture	Effects on weather

7. Describe the Coriolis Effect and what it does to fluids on Earth.

8. What powers winds?

9. Where is the jet stream and how does it affect weather?

10. Where does wind blow? (use pressure in your answer)

11. Draw & label a hurricane. Describe how hurricanes form and what its like in the eye.

12. What is the difference between a thunderstorm and a tornado?

13. How can a thunderstorm turn into a tornado?