

Chapter 11 Atmosphere

Part 2 Review Guide

1. Fill in the table below regarding cloud formation.

Ingredients to form clouds	How they help to form clouds

2. What lifting mechanism do we have to make clouds in Iowa?
3. Explain how the lift mechanism works with the use of a diagram.

4. Relate the following terms to cloud formation by filling out the table below:

Term	What is it? (Definition)	How does it relate to clouds?
Latent Heat		
Dew Point		
Relative Humidity		
Humidity		

5. Explain how you get rain from clouds using the following terms:
- Condensation
 - Condensation Nuclei
 - Precipitation

6. Fill in the table below regarding latent heat.

Phase Change	Particle Speed (Speeding up or Slowing down)	Energy (Do you need to ADD energy or LOSE energy)	Absorbing or Releasing Latent Heat
Melting			
Freezing			
Evaporation			
Condensation			

7. What is the water cycle?

8. Fill in the table below regarding the water cycle.

Name of Step	Initial Phase of Matter (Solid, Liquid, or Gas)	Final Phase of Matter (Solid, Liquid, or Gas)	Example from life	Latent Heat (Release or Absorb)
Evaporation				
Condensation				
Precipitation				

9. Label the water cycle steps in the picture below.

