## Wrong answer Question 1 0 / 1 pts What is the average rate of temperature change associated with a change in altitude? Solution 3°F per 1,000 feet 3.5°C per 1,000 feet 4°C per 1,000 feet 2°C per 1,000 feet

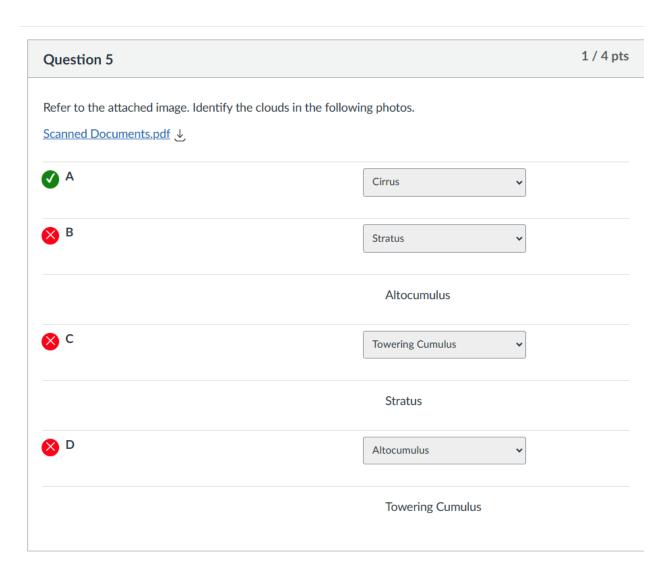
## Correct answer

Question 2 1 / 1 pts

True/False. When air rises, it expands to a larger volume. As the distance between molecules increases, the temperature of the air lowers. As a result, when a parcel of air rises, pressure decreases, volume increases, and temperature decreases. When air descends, pressure increases, volume decreases, and temperature goes up.

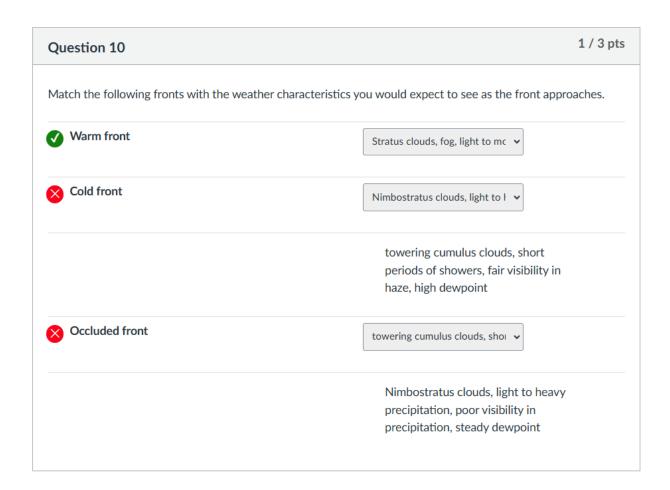


Question 3	0 / 2 pts
What two processes add water vapor to the atmosphere?	
☐ Melting	
☐ Freezing	
✓ ✓ Sublimation	
X Condensation	
Deposition	
Evaporation	
rong answer Question 4	0 / 1 pts
rong answer	
rong answer  Question 4  At what height above the ground would you expect to find the base of the cloud	
Question 4  At what height above the ground would you expect to find the base of the cloud 55°F and the surface dewpoint is 56°F? feet AGL	



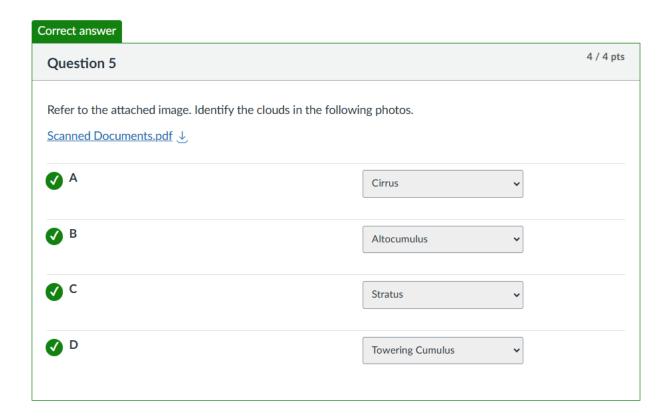
Correct answer
Question 6
True/False. Advection fog normally occurs when the wind is calm.
○ True
<b>✓</b> ◎ False
Correct answer
Question 7
What must happen for a cloud to precipitate?
o need unstable air
need temeprature to be cold
- Heed terreprotein to be cold

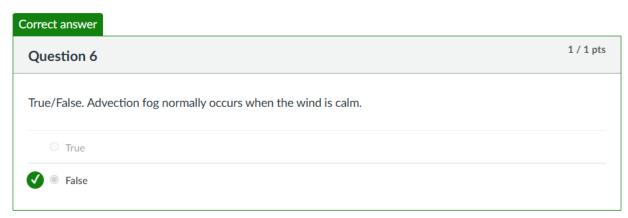
Ques	DLIUII O
What	is the difference between rain and rain showers?
	rain showers covers wider surface areas
<b>→</b>	rain showers change intensity, and stop suddenly
<b>✓</b> ☑	rain is steady and stops gradually
	rain is heavier
Ques	stion 9
Select	the characteristics of a stable airmass.
	microbursts
<b>⊘</b> ⊠	stratiform clouds
	cirrus clouds
<b>✓</b> ☑	smooth air
	rising air
	clear visibility
<b>→</b>	steady rain
	Steady rail
	lenticular clouds



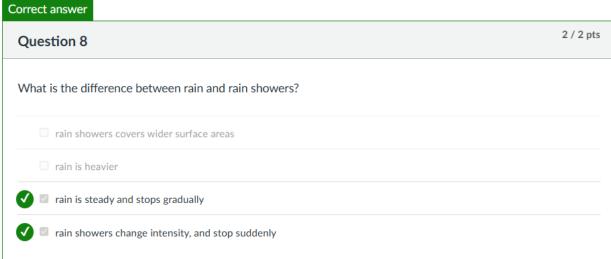
Correct answer	
Question 1	/ 1 pts
What is the average rate of temperature change associated with a change in altitude?	
✓ © 2°C per 1,000 feet	
○ 3°F per 1,000 feet	
○ 4°C per 1,000 feet	
○ 3.5°C per 1,000 feet	
Correct answer	
Question 2	/ 1 pts
True/False. When air rises, it expands to a larger volume. As the distance between molecules increases, the temperature of the air lowers. As a result, when a parcel of air rises, pressure decreases, volume increases, a temperature decreases. When air descends, pressure increases, volume decreases, and temperature goes up	and
<b>✓</b> ◎ True	
○ False	

Question 3	2 / 2 pts
What two processes add water vapor to the atmos	phere?
Condensation	
Deposition	
☐ Freezing	
☐ Melting	
Sublimation	
✓ ☑ Evaporation	
orrect answer	
Question 4	1 / 1 pts
At what height above the ground would you expect 65°F and the surface dewpoint is 56°F? fee	t to find the base of the clouds if the surface temperature is at AGL
○ 1,000ft	
<b>✓</b> ◎ 2,000ft	
3,000ft	



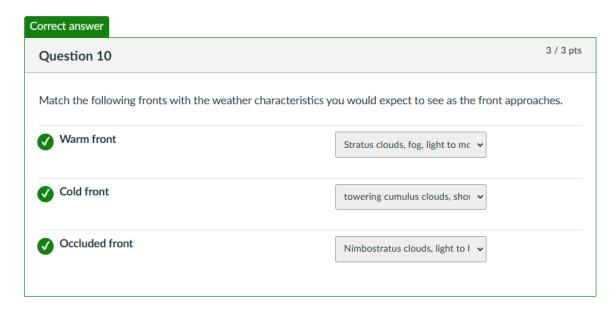


# Question 7 What must happen for a cloud to precipitate? ✓ ● particles must grow in size until they can no longer be supported by the atmosphere ー need unstable air ー need temeprature to be cold



## Correct answer

Question 9		
Select the characteristics of a stable airmass.		
restrcited visibility		
✓ ✓ smooth air		
rising air		
□ clear visibility		
microbursts		
□ lenticular clouds		
✓ ✓ stratiform clouds		
✓ ☑ steady rain		
cirrus clouds		



0 1 0