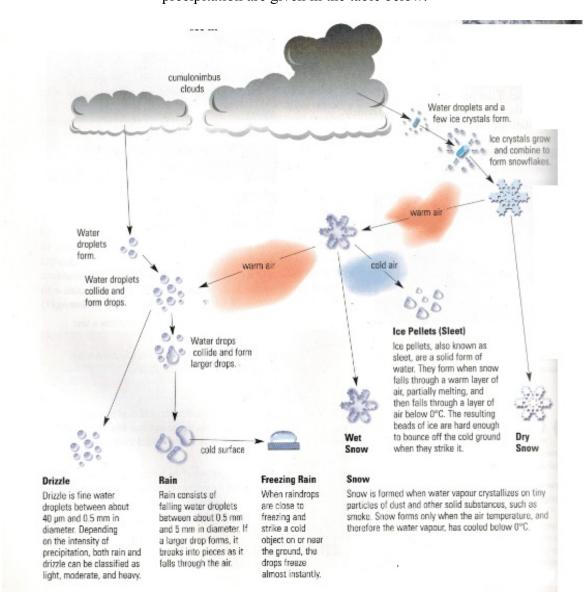


Rain Gauge

is an instrument used to measure precipitation. It the units of measure is centimeter (cm) or millimeters.

Precipitation

refers to water that reaches the ground in either a liquid or solid form. It is the stage in the water cycle that follows condensation, freezing, or sublimation. The type of precipitation depends greatly on the temperature on the ground and in the atmosphere. There are five kinds of precipitation rain, drizzle, snow, hail and sleet. The formation of the main types of precipitation are given in the table below.



Precipitation	Description		
Rain	drops of water falling from the clouds that are larger than drizzle drops and less densely together.		
Drizzle	a dense, light rain with super small drops.		
Snow	precipitation that remains frozen from the cloud to the ground.		
Freezing Rain	droplets falling and then freezing once they contact a surface on the Earth		
Hail	Frozen pieces of water that filter through clouds through an updraft. Mostly associated with strong thunderstorms.		

(C) (D)

1.	Precipitation is usually expressed in which of the following units?						
	(A)	m^3					
	(B)	g/m^2					
	(C)	ml					
	(D) mm						
2.	What instrument is used to measure the amount of precipitation?						
	(A)	Rain gauge					
	(B)	Thermometer					
	(C)	Barometer					
	(D) Anemometer						
3.	Any form of water that falls from the air to the Earth's surface is called						
	(A)	Humidity					
	(B)	Precipitation					
	(C)	Rain					
	(D)	Sleet					
4.	Which of the following is not a form of precipitation?						
	(A)	Rain					
	(B)	Snow					
	(B)	Sleet					
	(C)	Dew					
5.	What term is used to describe when water changes from a gas to a liquid it?						
	(A)	Warms up					
	(B)	Condenses					
	(C)	Evaporates					
	(D)	Rises					
6.	When water droplets in a cloud combine, become too heavy, and fall to the ground as rain, snow, sleet or drizzle, we are experiencing						
	(A)	Transpiration					
	(B)	Condensation					
	(C)	Evaporation					
	(D)	Precipitation					
7.	Four kinds of precipitation are						
	(A)	Snow, ice, hail and rain					
	(B)	Snow, sleet, hail and fog					
	(C)	Rain, snow, sleet, and fog					
	(D)	Rain, snow, sleet, and hail					
8.	How does sleet differ from snow?						
	(A)	It is not a form of precipitation.					
	(B)	It is liquid and not ice.					
	(C)	It starts as rain and freezes in the air.					
	(D)	It starts as water vapor and changes to a solid.					
9.	Which statement about hail is correct?						
	(A)	It is rain that falls through a layer of freezing air.					
	(B)	It may be sent up into the clouds many times.					
	(C)	It forms in winter in low stratus clouds.					

It is a liquid form of precipitation.

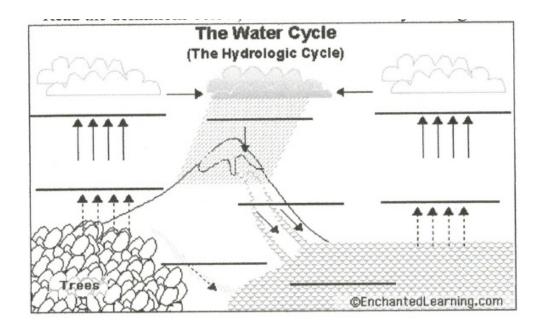
	(B) (C)	Rain Hail Snow								
11.										
 (A) It is the process in which liquid turns to water vapor. (B) It carries water from precipitation into oceans. (C) it takes water out of the water cycle. (D) It is not part of the water cycle. 										
Part I	B: Writ	ten Respo	onse							
1.	Which is more important in classifying precipitation, the form of water in the atmosphere or the form that reaches the ground? Choose an example to illustrate your answer. [4]									
 2.	Name	the forms	of precipita	ation that are				[2]		
a)	Solid									
b)	Liquio	1								
3.	Comp	lete the se	ntence with	the choices bel	ow.			[15]		
heavie drizzle drop fall to sleet		und		hail cloud above freezin rain precipitation	ıg	freezing rising air snow larger				
1.	A			is made up o	of billion of d	roplets of wat	er.			
2.	Dropl	ets are hel	d in the air	by		•				
3.	When droplets collide they become in size.									
4.	About	one milli	on droplets	make up a		·				
5.	Drops	are much			and		_than droplets			
6.	Drops									
7.	Water in any form that falls back to earth is called									
8. There are five kinds of precipitation. They are 1)										
	2)			3)						
	4)			5)						
9.	It rain	s or drizzl	es when the	e temperature is						
10.	It hails, sleets, or snow when the temperature is									

10.

(A)

Sleet

What is the most common form of precipitation?



Accumulation - The process in which water pools in large bodies (like oceans, seas and lakes)

Condensation - the process in which water vapour (a gas) in air turns into liquid

Evaporation - the process in which liquid water becomes water vapour (a gas). Water vaporizes from the surface of oceans and lakes, from the surface of land,

and from melts in snow fields.

Precipitation- The process in which water (in the form of rain, snow, sleet, hail and drizzle)

falls from clouds in the sky.

Subsurface Runoff- rain, snow melt, or other water that flows in underground streams, drains, or

sewers.

Surface Runoff - rain, snow melt, or other water that flows in surface streams, rivers, or canals.

Transpiration - The process in which some water within plants evaporates into the

atmosphere. Water is first absorbed by the plants roots, then later exits by

evaporating through the pores in the plant.