Name Class		Date
Skills Worksheet	0. 9	
Skills Worksheet Directed Reading	20.5	(000)

orecipitation.
ON CONTRACTOR OF THE CONTRACTO
the letter of the definition that best matches the term
a. solid precipitation consisting of ice particles
b. solid precipitation in the form of lumps of ic
c. rain that freezes when it strikes a surface ne
the ground
 d. clear ice pellets formed when rain falls through a layer of freezing air
e. liquid precipitation
f. rain consisting of drops smaller than 0.5 mi in diameter
g. the condition that produces glaze ice
aindrops?
non form of solid precipitation?

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Directed	Reading continued	d			*
3. How do	o snowflakes chan	ge in size as th	e temperature g	goes below 0	°C?
4. In what	t kind of clouds do	es hail usually	form?		
5. Describ	be how hail forms	and falls to the	ground.	·	
		· · · · · · · · · · · · · · · · · · ·			
6. Why is	s hail potentially ha	armful?	· .		· · · · · · · · · · · · · · · · · · ·
	, v			· .	
CAUSES	OF PRECIPITATI				
	The diameter of na. 5 mm.b. 20 μm.	nost cloud drop	plets is about c. 100 μm. d. 20 mm.		
18.	a. It must freeze. b. It must decreas c. It must increas d. It must warm to	se in size by at se in size by ab	oout 10 times.	to fall as prec	cipitation?
19	a. coalescence ar b. coagulation an c. coalescence ar d. coagulation an	nd ultracooling nd supercooling nd supercooling	g	l to Earth?	
20	What happens ina. Small dropletsb. Small dropletsc. Small dropletsd. Large droplets	s slow down as s combine to fo s break up into	s they fall. orm larger droples smaller droples		
21	1. During supercoo a. changes to a s b. changes to a g c. changes to a l d. does not chan	solid. gas. iquid.	ce becomes ext	remely cold a	and

ame	Ciass Date
Directed	Reading continued
22.	What is NOT true of freezing nuclei? a. They are a form of precipitation. b. They are suspended in the air. c. They are solid particles. d. They are similar to ice in structure.
23.	Why don't supercooled water droplets freeze?a. They are too cold.b. They are too large.c. There are not enough freezing nuclei available.d. There are too many solid particles in the air.
24	 What does water vapor from supercooled water droplets do? a. It condenses on ice crystals that have formed on freezing nuclei. b. It evaporates from the freezing nuclei. c. Water vapor from the droplets evaporates. d. Water vapor makes ice crystals increase in size.
25	 Which of the following are created by the process of supercooling? a. drizzle and rain b. sleet and hail c. glaze ice and snow d. snow and rain
26. What	ring PRECIPITATION is the name of an instrument used to measure rainfall?
	e type of rain gauge, a funnel fills a divided bucket, and then tips and se
off a(n) that records the amount of rain.
	instrument measures snow depth?
	at how much snow does it take to produce 1 cm of water?
30. Wha	t does Doppler radar measure?
31. How	does Doppler radar work?

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Direct	ed Reading continued
2. Nan	ne three things that meteorologists can determine with Doppler radar.
	•
3. Hov	v can Doppler radar save lives?
VEAT	HER MODIFICATION
	34. The process in which freezing or condensation nuclei are introduced
-	into a cloud to cause rain is called
	a. rain seeding.
	b. cloud seeding.
	c. precipitation growing.
	d. nuclei dropping.
	35. Which of the following are introduced into a cloud to cause rain
	because they resemble ice crystals?
٠.	a. snowflakes
	b. hailstones
	c. carbon monoxide pellets
	d. silver iodide crystals
	36. The substance dropped from aircraft to cool cloud droplets and cause
·	ice crystals to form is
	a. powdered dry ice.
	b. sleet.
	c. water vapor.
	d. snow.
35 T.	
37. L18	t three ways in which cloud seeding materials are released.
. —	
38 Ca	n cloud seeding cause a significant increase in precipitation?
50. Ca	if cloud seeding educe a significant merease in preesparane
39. W	hat are two ways in which cloud seeding could help people?

