Name	Class	Date	
Skills Worksheet			
Directed Be	adina		
Directed Re	aumg		
	•		
Section: Metamorp	hic Rock		-
1. Define metamorphism.	•		
. •			<u> </u>
		·	
2. Where does most metar	morphic rock form?		
, at the second			
			;
3. Metamorphic rock form		nes of rock?	
5. Wetamorphic fock form	us from which three typ	oes of fock:	
, V	· · · · · · · · · · · · · · · · · · ·		
FORMATION OF METAM  Use the terms from the folion  may be used only once.	•	the sentences below. Ea	ıch term
parallel bands	composition .	magma	
pressure	tectonic plates	metamorphism	
4. Hot fluids, heat, and		cause some minerals	s to
change into other miner	rals.	<del></del>	
_			
5. Minerals may change in			
	that give rock	cs a layered appearance	•
6. Hot fluids from magma	can circulate through t	the rock and change the	mineral
	by dissolving som	e minerals and adding o	others.
7. The type of rock that fo	orms because of	ca	n
indicate the conditions	that were in place wher	n the original rock chan	ged.
8. One type of metamorph	ism occurs when small	volumes of rock come	in
	•		
comact with		•	

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Directed Reading continued	y of the second			· · · · · · · · · · · · · · · · · · ·
				<del>-</del>
. The second type of metan	norphism occurs when	large areas of Ea	arth's crust are	)
affected by the heat and p			••	•
arrected by the heat and p	ressure caused by the		JIIISIOIIS OI	_
	<del></del>			
. Define contact metamorph	hism.	• .		
· · · · · · · · · · · · · · · · · · ·				
	N4456 (11) N4			•
Describe the area of rock t	that is affected by con	tact metamorphis	<del></del>	,
			77. L	* 4
		· · · · · · · · · · · · · · · · · · ·	• •	
			<i>:</i> .	
In addition to changes cau	sed by heat from mag	ma, what other o	ccurrence can	
cause changes in the surro	unding rock during co	ontact metamorph	ism?	
			;	
			<u></u>	
			<u>.                                    </u>	
D-G		, ,		
Define regional metamorp	onism.		**	
		· '		
	,		•	
TD 1 1 1	1 1		<del> </del>	•
Describe what happens to	minerals during tector	ne activity.		٠.
	• • •			
				٠.,
				•
			·	
Which type of metamorphi	ism causes most meta	norphic rock to f	orm?	
	• .	<u></u>		•
Why are rocks that are form	ned as a result of con	act metamórphis	m often	
	y regional metamorph			, ,
tound near those formed by	, , ,			
round near those formed by				
found near those formed by			·	. •
found near those formed by				. •

101

Rocks

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Holt McDougal Earth Science

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Name	Class	Date
Directed Reading continu	ued	
CLASSIFICATION OF MI	ETAMORPHIC ROCKS	$\frac{1}{2} \left( \frac{1}{2} \right) \right) \right) \right) \right)}{1} \right) \right) \right)} \right) \right) \right)} \right) \right)} \right)} \right)} \right) } \right) } } \right) } } } }$
17. In what two ways are r	netamorphic rocks classifi	ed?
in the space provided, writ or phrase.	e the letter of the definition	that best matches the term
18. foliation		that forms when large bressure are exerted on slate
19. slate	b. the metamorphic rocl	texture in which mineral
20. schist	grains are arranged in	· .
21. gneiss	c. a nonfoliated rock the sandstone is metamor	
22. nonfoliated		texture in which mineral
23. quartzite		rms when pressure is exerted
24. marble	on the sedimentary ro	
	f. a metamorphic rock t compression of limes	
		hat forms when intense heat
	schist to separate into	ound cause the minerals in bands as the minerals
	recrystallize	
25. Describe the two ways	in which foliated metamor	rphic rock might form.
· · · · · · · · · · · · · · · · · · ·		·
	· .	
26. Describe two character	istics of nonfoliated metar	norphic rock.
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