## Classifying Rocks

Classifying Rocks	Name
	Partner(s)
	Block
	Date
	Date Rock Set #
rocks into the classes of sedimentary, igne-	y, the students will be able to list the
<b>Special Safety Instructions</b> : Thoroughly conclusion of this work.	wash your hands with soap and water at the
scientists place all rocks in categories, call formed. The three major classes of rocks a metamorphic rocks. Rocks from each class	s tend to show characteristics that are the result ey were formed. Using these characteristics,
Procedure A: (To be completed at home	·):
Use the following three diagrams to answe and concise as possible.	er questions $1 - 3$ . Make your answers as clear
1) List three physical properties that help t sedimentary rock. You will use this inform	
a)	
b)	
c)	
2) List three physical properties that help t rock.	o identify a given rock sample as an igneous
a)	

3) List three physical properties that help to identify a given rock sample as a						
metamorphic	e rock.					
a)						
b)						
c)						

## **Procedure B:** (To be completed in the laboratory):

- 1) Select one of the sets of numbered rock samples provided by your teacher and examine the samples carefully.
- 2) After you have determined each of the sample's most obvious physical properties and have written them down in the space provided, compare them to the lists of major characteristics for each of the three classes of rocks.
- 3) Decide which class of rock the sample belongs to according to the lists of characteristics you listed for homework.
- 4) Put a check mark in the appropriate box to show the sample's classification.

	Description	Sed	Ign	Met
Sample A	Lots of little sparkling crystals, 4 different main		X	
	colors, no pattern of colors, crystals are scattered			
Sample # 1				
Sample # 2				
Sample # 3				
Sample # 4				
Sample # 5				
Sample # 6				
Sample # 7				
Sample # 8				
Sample # 9				
Sample # 10				
Sample # 11				
Sample # 12				

Questions and Conclusions:

	ssil in a rock is the remains or e a) In what class of rocks are for		
	b) Why would you find fossils		
2) Why	do you seldom find fossils in igneous or metamorphic rocks?		
3) Why	do metamorphic rocks often sh	now signs of bending and distortion?	
•			
	are metamorphic rocks more list rocks (where the colors are ran	ikely to show bands and layers of color than adomly scattered)?	
•			
Úsing tl nto sed		•	
		D)	
	E)		
		classify? If so, which one(s) and why?	