

What is your name? \_\_\_\_\_

1. What minerals are responsible for giving a rock schistosity?
  
2. Metamorphic rocks often contain index minerals. What do index minerals tell us?
  
3. What are the three most important "agents of metamorphism?" That is, the three most important things that cause metamorphism?
  
4. What are the three principle kinds of metamorphism?
  
5. Put the correct letter answers in the correct places. Possible answers are listed below; each is used once.

<b>name</b>	<b>letter answer</b>
quartzite	
schist	
phyllite	
slate	
gneiss	
marble	
hornfels	

**Possible answers:**

- a. calcite rich and non-foliated
- b. metamorphic rock made or recrystallized quartz grains
- c. represents a grade of metamorphism between slate and schist
- d. very fine-grained and foliated; having excellent rock cleavage
- e. foliated and composed predominately of platy minerals
- f. composed of alternating bands of light and dark silicate minerals
- g. hard, nonfoliated rock, resulting from contact metamorphism.