

Your Name: \_\_\_\_\_

GEO101IN  
Introduction to Weather and Climate  
Classwork 5: Will it rain this afternoon?  
February 27, 2005  
For completion in class

1. Which will become warmer from the addition of 10 calories of heat: the 1 gram of water, or the 3 grams of granite rock?

2. Given your answer to question 1, why does southeastern Arizona warm up more quickly as summer arrives than the ocean to the east and south of it?

3. What are the conditions which make for a strong likelihood of summertime precipitation in July, August and early September?

4. What are the reasons why summertime rains are hard to precisely predict?