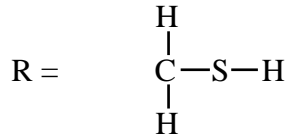


**Discussion Questions**  
**AIDS and Other Human Diseases**  
**9/11/03**

**Name** \_\_\_\_\_

1. Draw the structure of the amino acid cysteine. Cysteine has the following R group.



2. In sickle cell anemia, hemoglobin sticks together to form a long rod shaped structure. How does this cause the lack of oxygen delivery to the tissues?
3. What is the major difference in structure between a protein and a nucleic acid?
4. What is the major difference in function between a protein and a nucleic acid?

