Name	
Class time	

## Sands Lab Observation Chart

Name of Sand and Collection Locality	Initial Appearance Unaided Eye	Hand Lens Magnified	Larger Magnification	Additional Observations

## Questions:

- 1. How would you describe the grains in this sample?
- 2. What are the average sizes of the grains (remember your magnification!)
- 3. Are the grains well sorted (mostly the same size, typical of wind deposited sands) or poorly sorted (various sizes, more typical of water laid deposits)?
- 4. How can you tell if the sand grains are shaped by wind or water action?
- 5. Can you assume that the sand found at a particular location was formed locally? Why?
- 6. Can you see any crystal structure evident in the grains?
- 7. How many different minerals do you think are present in the sample?
- 8. If grains are sharp and angular, what does this angularity tell you about the minerals contained in the grains?
- 9. Are you an Arenophile?