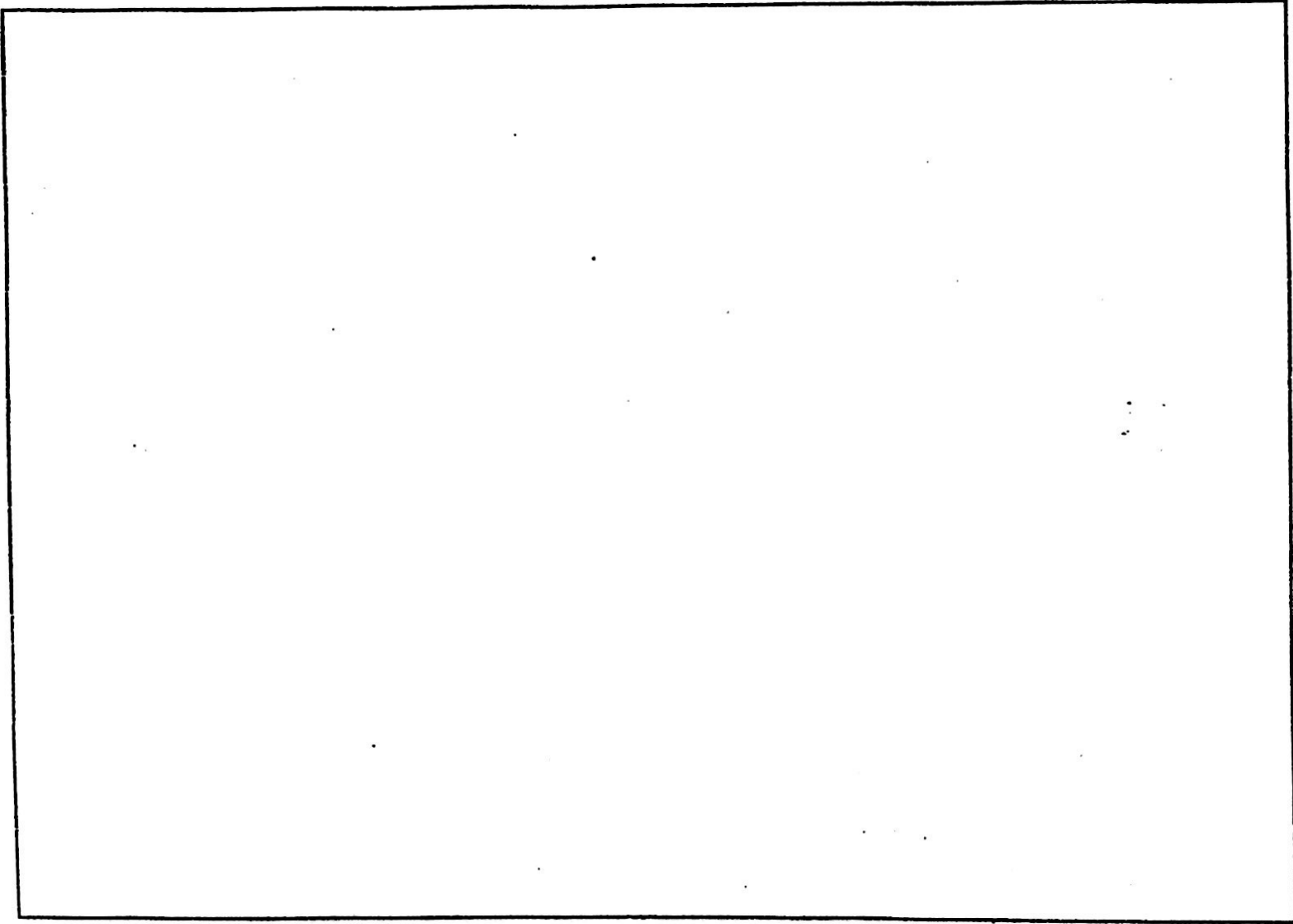


pattern of vermiculite that you observe. Label what parts of the pattern might form the inner planets and outer planets of a Solar System.



**Sketch of pattern of vermiculite
in bucket**

Questions and Conclusions

1. What did you observe happening to the vermiculite once you stopped stirring the water?
2. Describe the pattern of vermiculite on the surface of the water.
3. Did all of the vermiculite spin around in the bucket at the same speed? If not, what parts spun faster and what parts spun more slowly?
4. Why did the vermiculite eventually slow down and stop? Why has the same thing not happened to the Solar System?
5. Think about how big your bucket of water and vermiculite is compared to the size of the Solar System. Why do you think it took millions of years for the Solar System to form? Can you think of reasons other than size?