



Cosmic Chemistry: Cosmogony

A Spongy Universe

STUDENT ACTIVITY

| Your Name | | | | | | |
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| 2. | Write a paragraph that describes the solid portion of the sponge. | | | | | |
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| 3. | Write a paragraph that describes the "bubbles" or voids in the sponge. | | | | | |
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| 4. | Write a paragraph that describes how you think the solid portion of the sponge was formed. | | | | | |
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| 5. | Write a paragraph that | t describes how | you think the "bubbles" | ' or voids in the sponge we | re formed. |
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6. Have your partner hold the sponge so that you can see the same cross section of the sponge that you sketched in #1 above and move away from you until you can no longer see the "bubbles" or voids in the sponge. Measure this distance between you and your partner and record it below.

7. **Homogeneous** means that matter is evenly distributed in all parts of the sample; whereas, if there are parts of the sample that have distinctly different characteristics, it is **heterogeneous**. Would you describe your the sponge as being homogeneous or heterogeneous? Explain your answer.