**Student Handout 1**

**Methanogenesis in Earth and Body**

**Journal Writing Questions**

**Use the following questions to write an entry in your journal.**

1. If you were a methanogen living inside the digestive tract of a cow, describe your journey to making ATP (Adenosine triphosphate)
2. If you were a methanogen living inside a landfill, describe your journey to making ATP (Adenosine triphosphate).
3. How is anaerobic respiration like aerobic respiration? How is it different?
4. If you could change one thing about methanogenesis, what would you change and why?
5. What might be the implications on the environment if methane was not produced?
6. What might be the implications on humans if methane was not produced?
7. If methanogens were pathogens, how would this impact your body?
8. How does structure follow function during methanogenesis in the cell of archaeabacteria?