# Week 12 Team A Worksheet

Gastroenteritis

Baby K., age 14 months, has vomiting and diarrhea and is crying continuously because of what appears to be severe abdominal pain. As part of your history, you discover Baby K. had some milk custard that may not have been properly stored. The most likely diagnosis is gastroenteritis, secondary to Staphylococcus aureus from the milk custard.

1. Briefly describe how S. aureus in the custard could cause vomiting and diarrhea.
2. What fluid and electrolyte imbalances would you expect in Baby K.? Please describe how at least one fluid and one electrolyte imbalance could develop in this situation.
3. Describe the signs of dehydration that can be expected in a child of this age. What about in an older child?
4. Explain the process and factors involved by which a young child can quickly develop vascular collapse if vomiting and diarrhea are severe.
5. Explain why water alone would not be adequate treatment for Baby K.
6. What other gastrointestinal conditions could cause vomiting and diarrhea in a young child? How will you definitively determine what condition is causing her symptoms?