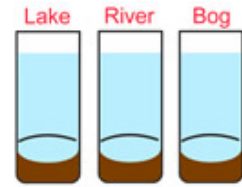


## Water Quality Task Card

1. Use the Guidelines for Canadian Drinking Water to analyze the three water samples (**Pine Lake, Tulip River, and Cedar Bog**) for bacteria, nitrates, and fluoride levels.



2. Read the guidelines information about the sources (origins) of these potential pollutants, their effects on humans, and the acceptable levels of these factors.



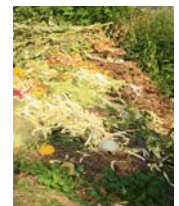
3. First, rank the water samples in terms of the total number of **coliform bacteria**.



4. On your worksheet circle the number that best describes the quality of the water sample:  
1 = best quality    2 = average quality    3 = poorest quality



5. Next, using the same method above, rank the water samples in terms of the **nitrates level**.



6. Repeat this ranking process for the **fluoride level**.



7. Remember that **Cedar Bog** has a lot of decaying organic matter and **Pine Lake** has a high bacteria count.

BLM 1.2.f