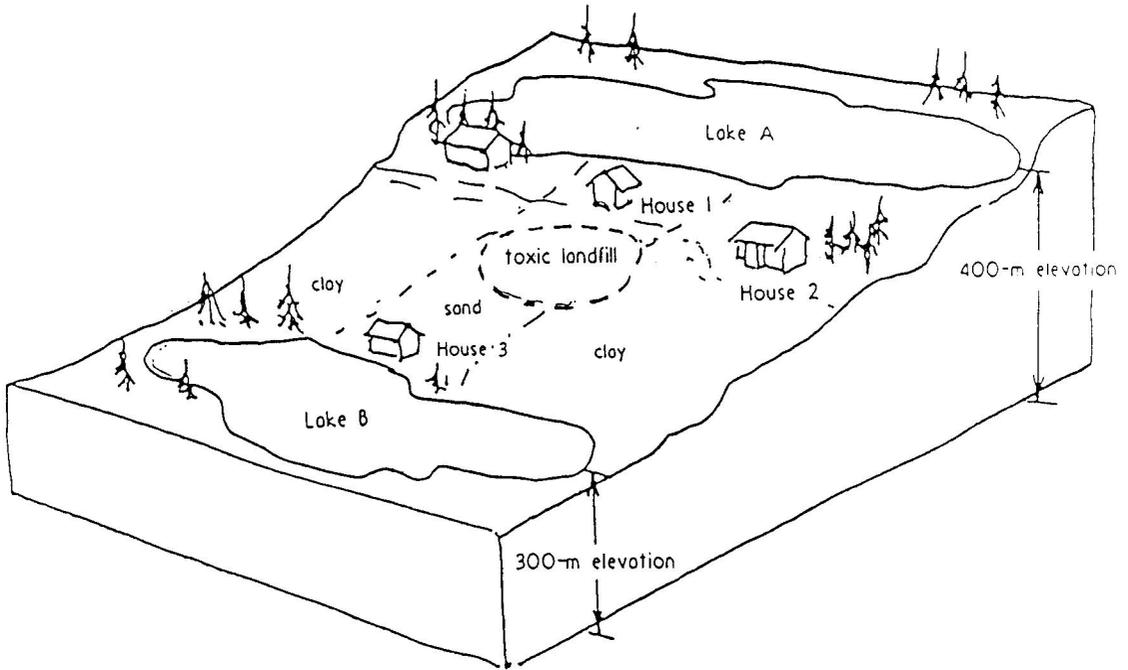


CONCEPTUAL **Physical Science** PRACTICE SHEET

Chapter 28: Occurrence and Movement of Water Groundwater Flow and Contaminant Transport

The occupants of Houses 1, 2, and 3 wish to drill wells for domestic water supply. Note that the locations of all houses are between lakes A and B, at different elevations.



1. Show by sketching dashed lines on the drawing, the likely direction of groundwater flow beneath all the houses.
2. Which of the wells drilled beside Houses 1, 2, and 3 are likely to yield an abundant water supply?

3. Do any of the three need to worry about the toxic landfill contaminating their water supply? Explain.

4. Why don't the homeowners simply take water directly from the lakes?

5. Suggest a potentially better location for the landfill. Defend your choice.

