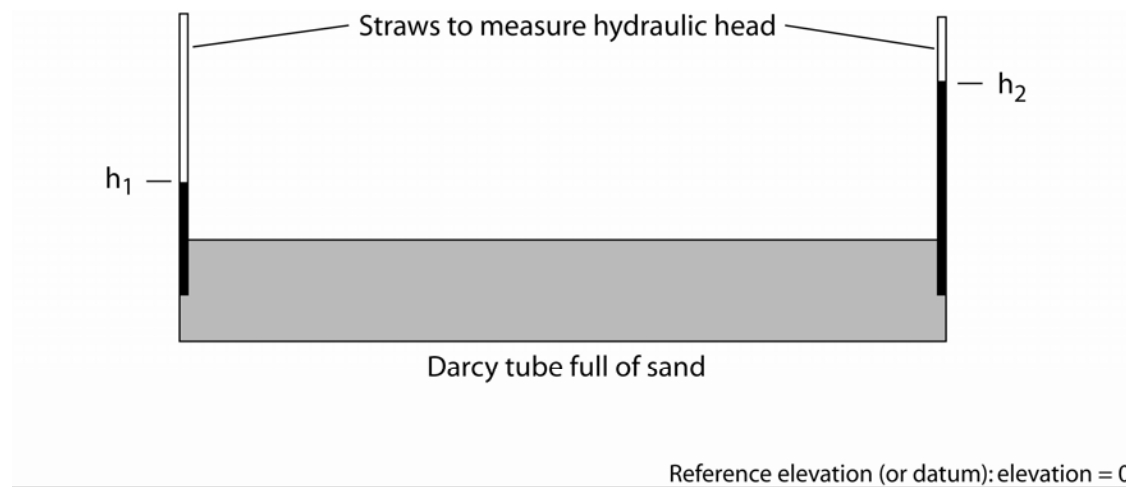


- 1. In the Darcy tube below, show the two components of hydraulic head (elevation and pressure head) at each “straw” used as a monitoring well.**

**Draw an arrow to show the direction of flow.**

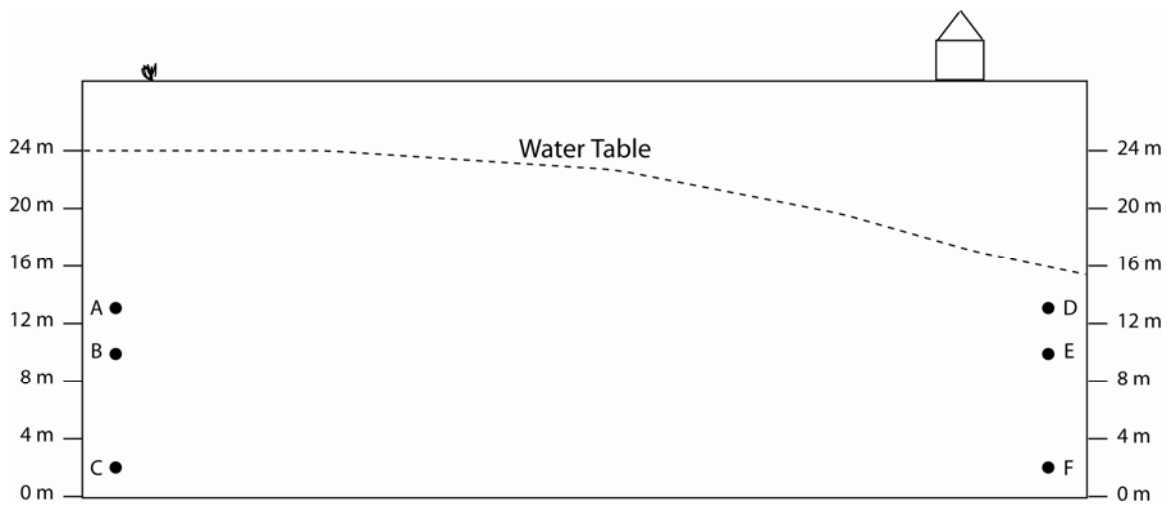


2. In the unconfined aquifer shown below, write the hydraulic head next to each marked point: A through F. Based on those answers, draw an arrow showing the flow direction.

For each point, report the elevation and pressure head:

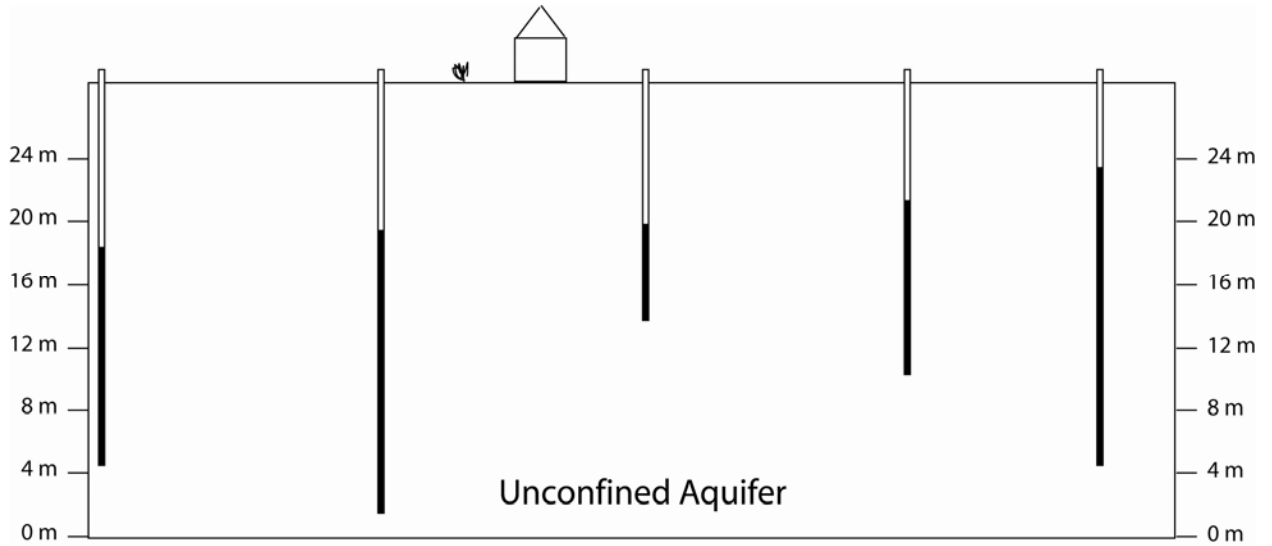
A: \_\_\_\_\_ B: \_\_\_\_\_ C: \_\_\_\_\_

D: \_\_\_\_\_ E: \_\_\_\_\_ F: \_\_\_\_\_



3. Using the information from the monitoring wells in the unconfined aquifer, sketch in the water table.

What is the flow direction?



4. There are several monitoring wells in the aquifer layers below.

- Label the aquifers as “unconfined” or “confined”. *Hint: there is one of each!*

- Sketch in the water table in the unconfined aquifer. Which way is flow in the unconfined aquifer?

- In general, is flow driven from the unconfined aquifer to the confined aquifer, or vice-versa? How can you tell?

- Suppose the unconfined aquifer was contaminated by MTBE, which dissolves in water. Would you be worried about the confined aquifer becoming contaminated? Why or why not?

