# AP Physics 2

Cork Mini-Lab

Using any of the measuring devices on the front table, find the density of a wine cork. Afterwards, answer the following questions in your lab notebook. BTW, the density of water is 1000 kg/m³.

1) List equipment used and data.
2) What is the density of the cork, in kg/m³? Explain how you determined this result.
3) What percentage of the cork is above and below the surface of the water? Explain how you determined this result.
4) What is the relationship, if any, between the answers to questions #2 and 3?
5) What are the main sources of error in this lab, and how would you correct them?
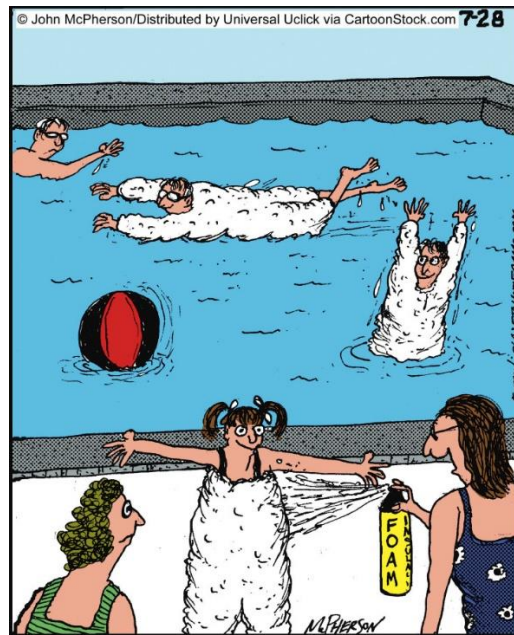
"They're a lot safer when they have this foam insulation on, plus they love being able to float like corks!"