



### Discussion

1. Compare your activity series to the activity series in the textbook or an online source like Wikipedia (make sure it contains H from acid). Are there any differences?
2. What might explain the differences, if there were any?
3. Which metals tested would be considered active metals? (What's the *precise, technical definition* of an active metal given in the introduction? Read carefully!)
4. Tin (Sn) dissolves in acid but does not react with aqueous zinc(II) sulfate. Where does it fit in your activity series? Can you locate it precisely based on your experimental data?
5. Extra Credit: what do you think the mystery gas is? (Produced during reactions without acid.)