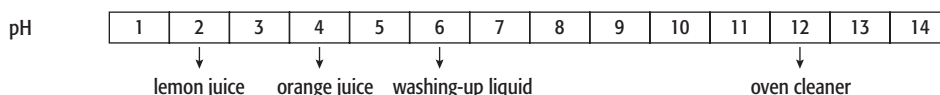


Worksheet 5.6

pH scale

Some of the everyday chemicals that we use around our homes work because they are either acids or bases. The pH of chemicals found around the home may be tested using pH paper. Some typical results are shown below.



- 1 Answer the following questions using the above information.
 - a What is the pH of oven cleaner?
 - b Which is the most acidic solution?
 - c What would be the pH of a neutral solution.....
- 2 Vinegar was also tested using Universal Indicator paper and found to have a pH of 4.1. What colour did the pH paper become?
.....
- 3 When a wasp stings someone, it injects a liquid into the person's skin. An old-fashioned remedy for wasp stings is to rub vinegar on them.
 - a Suggest the pH of the liquid which wasps inject into the skin.
 - b What name is given to the reaction which happens between the wasp sting liquid and the vinegar?
.....
 - c Name the colourless, tasteless liquid that is produced in this reaction.
.....

4 a Name an acid that is present in orange juice and lemon juice.

.....

b Use the information above to estimate how much stronger an acid the lemon juice is than the orange juice. Explain how you made this estimate.

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