**The pH Scale Quiz**



1. What is the pH scale used for?

The pH scale allows us to determine if a solution is an acid, a base, or neutral.

2. An increase or decrease by 1 integer on the pH scale corresponds to a 10-fold change in the concentration of H+ ions.

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| a) Trueb) False |

3. Solutions with a very low pH produce lots of OH- ions.

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| a) Trueb) False |

4. Water is a \_\_\_\_\_\_ on the pH scale.

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| --- | --- |
| a) 0b) 7 | c) 11d) 14 |

5. Vinegar is \_\_\_\_\_\_.

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| --- | --- |
| a) Acidicb) Basic | c) Neutrald) None of the above |

6. Soap is \_\_\_\_\_\_.

|  |  |
| --- | --- |
| a) Acidicb) Basic | c) Neutrald) None of the above |

7. Ammonia is more \_\_\_\_\_\_ than soap.

|  |  |
| --- | --- |
| a) Acidicb) Basic | c) Neutrald) None of the above |

8. Soda is how much more acidic than coffee?

|  |  |
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| a) 10 timesb) 100 times | c) 1,000 timesd) 10,000 times |

9. Oven cleaner is how much more basic than soap?

|  |  |
| --- | --- |
| a) 10 timesb) 100 times | c) 1,000 timesd) 10,000 times |

10. Stomach acid is how much more acidic than vinegar?

|  |  |
| --- | --- |
| a) 10 timesb) 100 times | c) 1,000 timesd) 10,000 times |