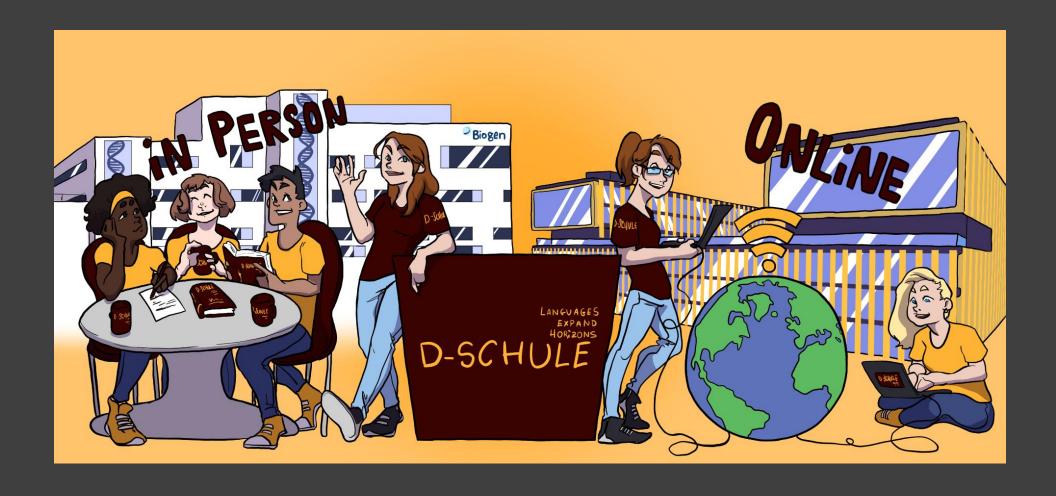
Biogen Specific Teaching Material



Questions & Answers

1. What is a buffer solution?

1. It is an aqueous solution that can resist pH change upon the addition of an acidic or basic components, neutralising small amounts of added acid or base, thus maintaining the pH.



2. What is pH (in Chemistry)?







3. Possible answers: Battery acid, gastric acid, vinegar, orange juice, black coffee, acids (hydrochloric, nitric, sulphuric, etc.)



4. What is the process of denaturation?



5. Fill in the blanks: At 25 °C, solutions with a pH less than 7 are _____, and solutions with a pH greater than 7 are _____.

5. At 25 °C, solutions with a pH less than 7 are acidic, and solutions with a pH greater than 7 are basic.

6. What do lower/higher pH values correspond to?



6. Lower pH values correspond to solutions which are more acidic in nature. Higher pH values correspond to solutions which are more basic or alkaline.





8. At room temperature, pure water has what pH level?

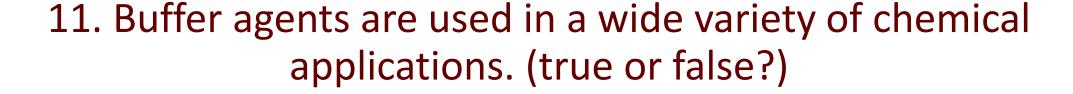
8. It has a level of 7 (seven).

9. What purpose do buffer solutions serve?



10. At room temperature, or 25°C, pure water has a neutral pH of 7. (true or false?)





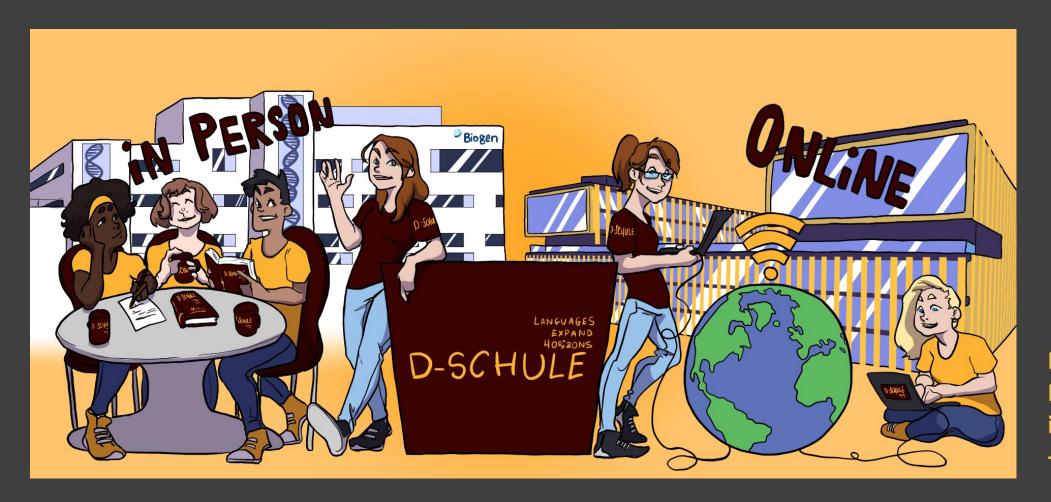






Thank you for your attention!

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