

Exit Pass: Lesson 4

What are Physical and Chemical Changes?

Questions

This simulation shows how to tell the difference between acids and bases using pH. https://phet.colorado.edu/sims/html/ph-scale-basics/latest/ph-scale-basics_en.html

Use the simulation and the pictures to answer the following questions:



Before After

What kind of change (physical or chemical) do you think happened in the pictures?

 Explain what signs you used to decide if a chemical change or a physical change occurred in the picture.

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3. How could you tell for sure that a chemical change occurred?
4. How might you test the starting substances to see if the reaction was an acid-base reaction?
5. How might you test to see if the bubbles produced are carbon dioxide?

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