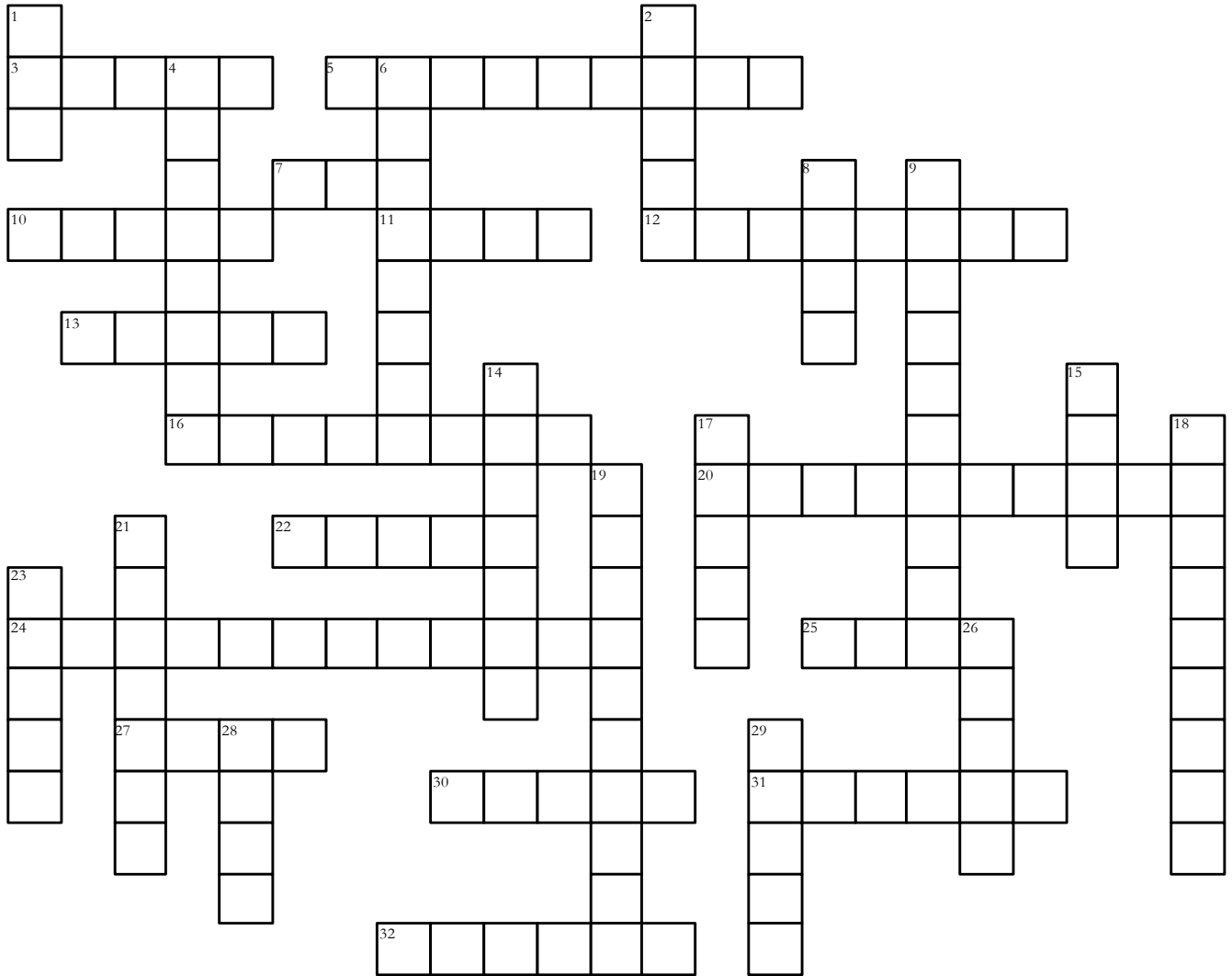


Acids and Bases



Acids and Bases

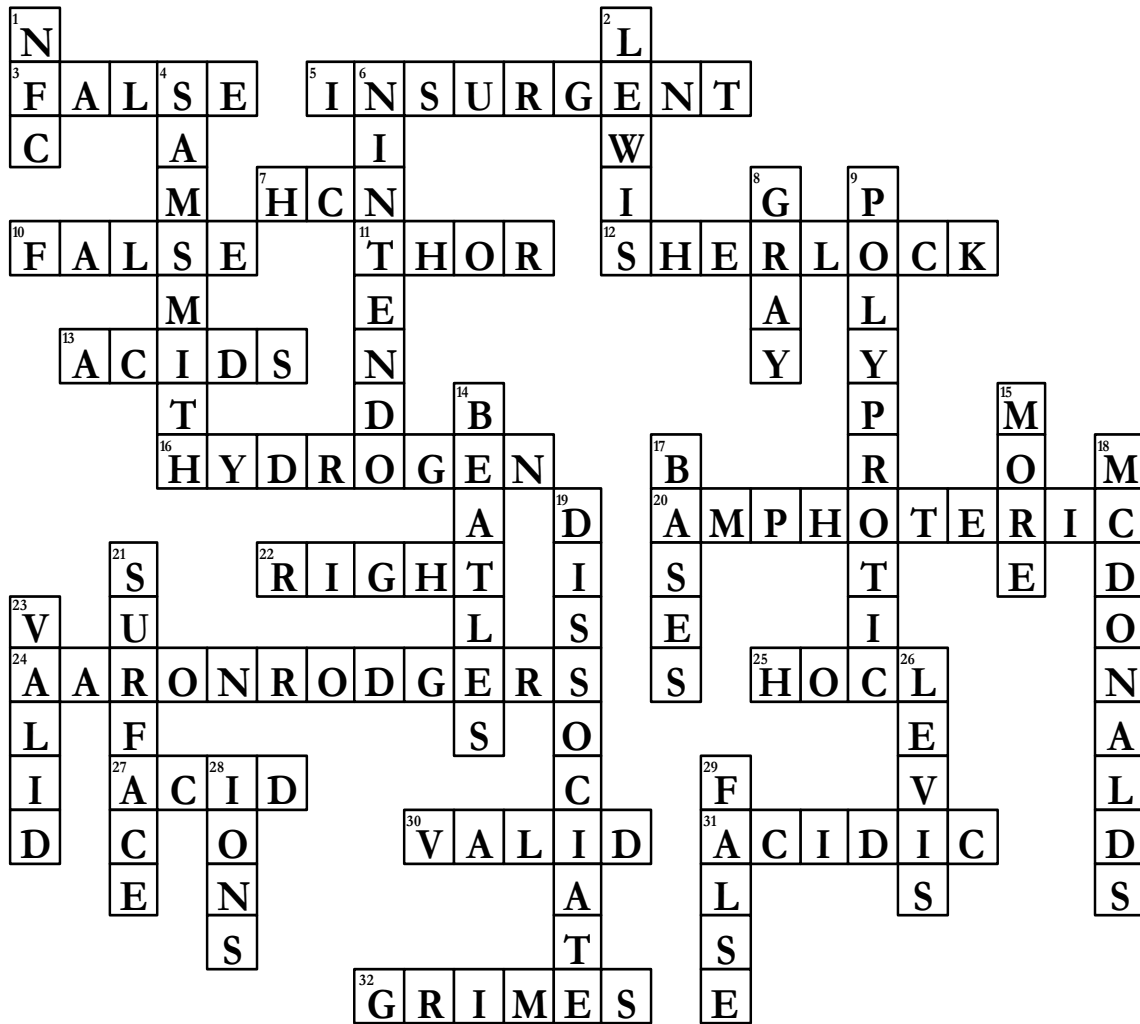
ACROSS

- 3 Valid or false: For bases, the concentration of OH^+ must exceed the concentration of H^- in the solution
- 5 What was the name of the second movie of "The Divergent Series"?
- 7 Which acid has the stronger conjugate base: HCl or HCN ?
- 10 Valid or false: Equal amounts of $\text{NaOH}_{(\text{aq})}$ and $\text{NaH}_2\text{PO}_{4(\text{aq})}$ are mixed with the resulting solution being acidic
- 11 "____": The Dark World" was a 2013 hit movie
- 12 Character Benedict Cumberbatch played on TV beginning in 2010
- 13 Are acids or bases electron pair acceptors?
- 16 What does the "H" in pH stand for?
- 20 An ____ substance is one that can act as both an acid and a base
- 22 Matt Damon said that a solution having a hydrogen ion concentration of $1 \times 10^{-4} \text{ M}$ was acidic. Was he right or wrong?
- 24 Professional football player who still did commercials for State Farm insurance in 2016 (Two words)
- 25 Which is the stronger acid: HOBr or HOCl ?
- 27 HCl is what in water?
- 30 Valid or false: Sulfurous acid is a weak electrolyte
- 31 Equal amounts of $\text{HCl}_{(\text{aq})}$ and $\text{NaCN}_{(\text{aq})}$ are mixed. The resulting solution is ____
- 32 Last name of the sheriff in "The Walking Dead" TV series

DOWN

- 1 New Orleans Saints: AFC or NFC team?
- 2 The hip hop duo Macklemore and ____ is from Seattle, WA
- 4 "I'm Not the Only One" was sung by ____ ____
- 6 Platform for the video game "The Legend of Zelda: Major's Mask"
- 8 If a solution is neutral, what color will the litmus paper be?
- 9 Acids with many protons like carbonic acid are described as ____
- 14 Paul McCartney was an original member of which musical group?
- 15 The pH is (more or less) than 7 when you mix 0.40g of NaOH with 100mL of 0.10 M acetic acid
- 17 Are acids or bases electron pair donors?
- 18 Restaurant chain that started serving breakfast all day in 2015
- 19 Unlike weak acids, strong acids completely ____ in water
- 21 The official tablet of the NFL
- 23 Valid or false: H_2CO_3 is a weak acid
- 26 Name of the stadium where Super Bowl 50 was played
- 28 Substances that are strong electrolytes turn into ____ when placed in water
- 29 Valid or false: H_2SeO_3 is a stronger acid than H_2SeO_4

Acids and Bases



Source: [Chemistry Classroom Crossword Puzzles](#)