

11. Select the **best** reason why the Brønsted-Lowry model is preferred over the Arrhenius model of acids and bases. The Brønsted-Lowry model
- (a) includes a wider range of substances and can be used more broadly.
 - (b) demonstrates when hydrogen atoms are replaced by metals.
 - (c) easily identifies that acids produce hydrogen ions and bases produce hydroxide ions.
 - (d) demonstrates that non-metal oxides dissolve in water to produce acidic solutions.