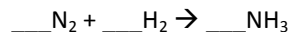


### Stoich Problem WS #1

Complete one from each box.



- 1) 60 mol H<sub>2</sub> → mol N<sub>2</sub>
- 2) 60 mol H<sub>2</sub> → mol NH<sub>3</sub>

- 3) 12 mol N<sub>2</sub> → mol H<sub>2</sub>
- 4) 12 mol N<sub>2</sub> → mol NH<sub>3</sub>

- 5) 3.5 mol NH<sub>3</sub> → mol H<sub>2</sub>
- 6) 3.5 mol NH<sub>3</sub> → mol N<sub>2</sub>

- 7) 54 g H<sub>2</sub> → g N<sub>2</sub>
- 8) 54 g H<sub>2</sub> → g NH<sub>3</sub>

- 9) 38 g N<sub>2</sub> → g H<sub>2</sub>
- 10) 38 g N<sub>2</sub> → g NH<sub>3</sub>

- 11) 197 g NH<sub>3</sub> → g H<sub>2</sub>
- 12) 197 g NH<sub>3</sub> → g N<sub>2</sub>

- 13) 4.12 × 10<sup>12</sup> molecules H<sub>2</sub> → molecules N<sub>2</sub>
- 14) 4.12 × 10<sup>12</sup> molecules H<sub>2</sub> → molecules NH<sub>3</sub>

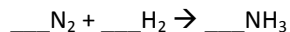
- 15) 7.84 × 10<sup>7</sup> molecules N<sub>2</sub> → molecules H<sub>2</sub>
- 16) 7.84 × 10<sup>7</sup> molecules N<sub>2</sub> → molecules NH<sub>3</sub>

- 17) 6.05 × 10<sup>57</sup> molecules NH<sub>3</sub> → molecules N<sub>2</sub>
- 18) 6.05 × 10<sup>57</sup> molecules NH<sub>3</sub> → molecules H<sub>2</sub>

- 19) 4.12 × 10<sup>12</sup> molecules H<sub>2</sub> → g N<sub>2</sub>
- 20) 4.12 × 10<sup>12</sup> molecules H<sub>2</sub> → g H<sub>2</sub>

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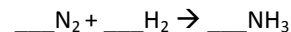
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