

Contents

Parts Library

- Chemicals
- Equipment
- Glassware
- Indicators
- Presentation

m

▼ In solution

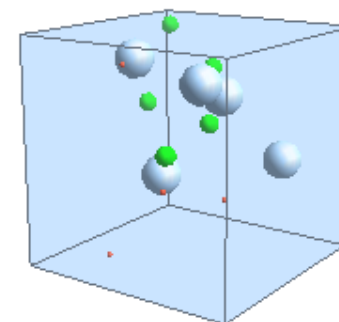
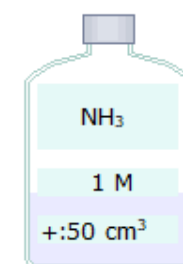
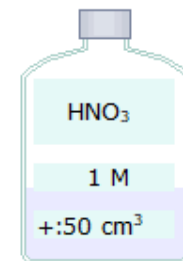
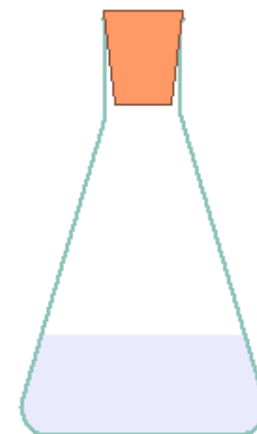
	Conc.(mol L ⁻¹)	Moles
ammonia	0.500	0.050
nitric acid	0.500	0.050

▼ Liquids

	Volume(cm ³)	Mass(g)	Temperature(°C)
water	100.000	100.000	25.000

▼ Physical Properties

Temperature(°C)	pH	Volume(cm ³)	Mass(g)
25.000	0.301	100.000	104.002



- water
- ammonia
- hydrogen ion
- nitrate ion

Properties

Scene 1 Scene 2 Scene 3



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Reactions

Recently completed:
 ammonia gas \rightarrow ammonia solution
 ammonium \leftrightarrow ammonia + hydrogen

In solution

	Conc.(mol L ⁻¹)	Moles
ammonium nitrate	0.497	0.050
nitrate	0.003	0.000
ammonia	0.003	0.000

Liquids

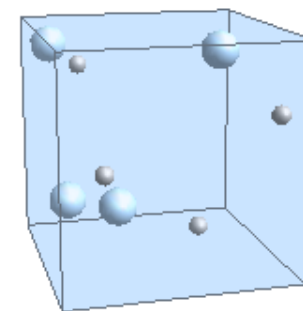
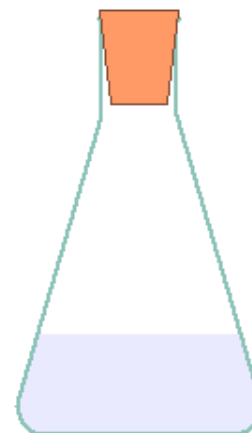
	Volume(cm ³)	Mass(g)	Temperature(°C)
water	100.002	100.002	25.011

Gases

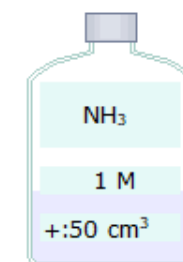
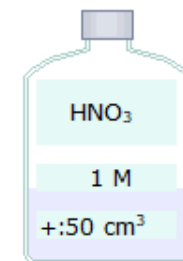
	Volume(%)	Volume(cm ³)
water vapour	96.710	161.353
ammonia	3.290	5.489

Physical Properties

Temperature(°C)	pH	Volume(cm ³)	Mass(g)
25.011	6.996	100.002	104.007

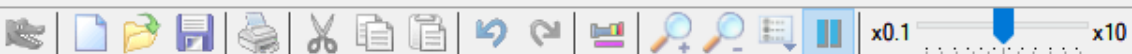


- water
- nitrate ion
- ammonium ion



Properties

- + Scene 1 Scene 2 Scene 3 <



Contents

Parts Library

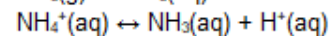
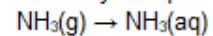
- Chemicals
- Equipment
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m

Flask1 - Reaction details

Reactions

Recently completed:



In solution

	Conc.(mol L ⁻¹)	Moles
NH ₄ NO ₃ (aq)	0.497	0.050
NO ₃ ⁻ (aq)	0.003	0.000
NH ₃ (aq)	0.003	0.000

Liquids

	Volume(cm ³)	Mass(g)	Temperature(°C)
H ₂ O(l)	100.002	100.002	25.011

Gases

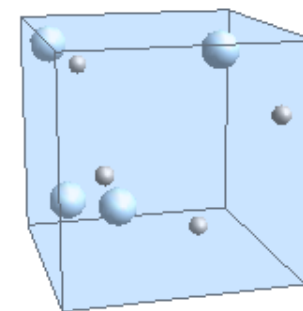
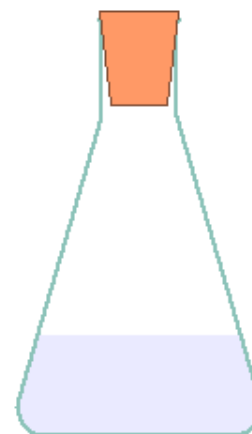
	Volume(%)	Volume(cm ³)
H ₂ O(g)	96.710	161.353
NH ₃ (g)	3.290	5.489

Physical Properties

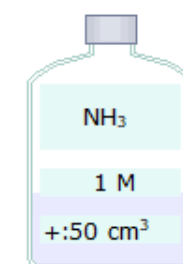
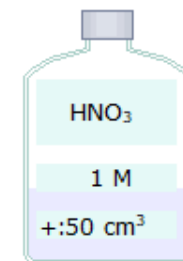
Temperature(°C)	pH	Volume(cm ³)	Mass(g)
25.011	6.996	100.002	104.007



symbolic



- water
- nitrate ion
- ammonium ion



Properties

- + Scene 1 Scene 2 Scene 3 <

برای انجام این آزمایش به آمونیاک (NH_3) و اسید نیتریک (HNO_3) نیازمندیم.
این دو ماده را در بشر با در بسته قرار می‌دهیم تا واکنش کامل شود.
بعد از اتمام آزمایش ما آمونیوم نیترات را بصورت محلول در آب، داخل بشر داریم.