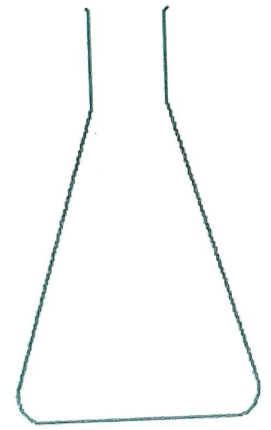
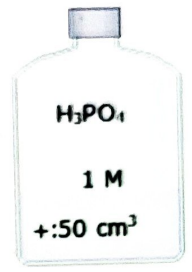
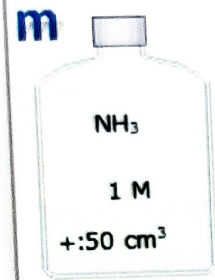




x0.1 x10

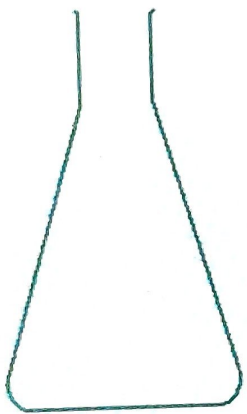
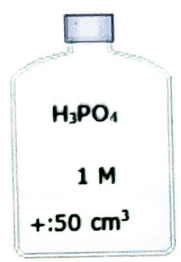
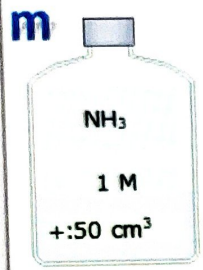
Library

- Potassium hydroxide
- Barium hydroxide
- Calcium hydroxide
- Sodium hydroxide
- Ammonia solution
- oxides
- chlorides
- sulfides
- carbonates
- nitrates
- sulfates
- Miscellaneous Salts
- Miscellaneous





- 50 mL)
- 100 mL)
- 250 mL)
- er flask
- bottomed flask
- ating dish
- pe
- pe
- y tube
- nser
- aper



Flask2 - Reaction details x

▼ Gases

	Volume(%)	Volume(cm ³)
nitrogen	78.090	208.379
oxygen	20.953	55.911
argon	0.924	2.466
carbon dioxide	0.033	0.088

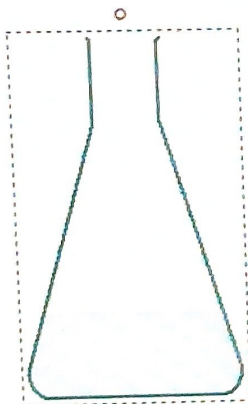
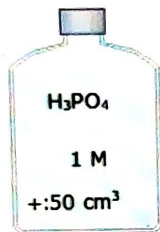
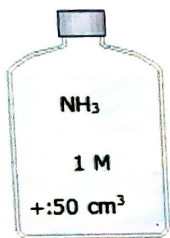
▼ Physical Properties

Temperature(°C)	pH	Volume(cm ³)	Mass(g)
25.000	-	266.844	0.316

word ▼

■ nitrogen
■ oxygen

m



- water
- hydrogen ion
- hydroxide ion
- ammonium ion
- phosphoric acid
- dihydrogen phosphate ion

▼ Reactions

Recently completed:
 phosphoric acid ↔ dihydrogen phosphate + hydrogen
 ammonia + water ↔ ammonium + hydroxide
 ammonia gas → ammonia solution
 phosphoric acid + ammonium hydroxide → water + ammonium
 dihydrogen phosphate
 dihydrogen phosphate ↔ hydrogen phosphate + hydrogen
 dihydrogen phosphate + water ↔ phosphoric acid + hydroxide
 hydrogen phosphate + water ↔ dihydrogen phosphate + hydroxide
 ammonium ↔ ammonia + hydrogen
 ammonia solution → ammonia gas
 water → water vapour

▼ In solution

	Conc.(mol L ⁻¹)	M
phosphoric acid	0.252	C
ammonium dihydrogen phosphate	0.249	C

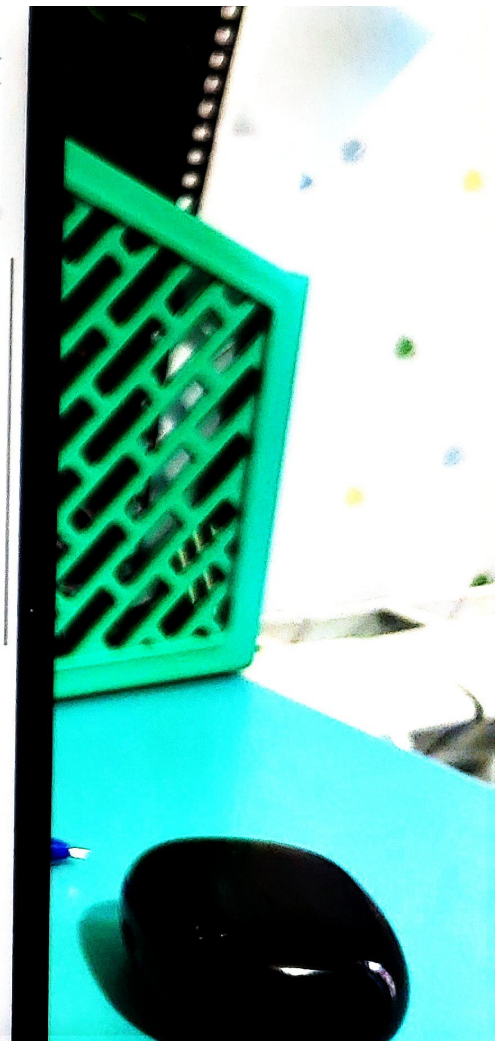
▼ Liquids

	Volume(cm ³)	Mass(g)	Temperature(°C)
water	99.925	99.925	24.638

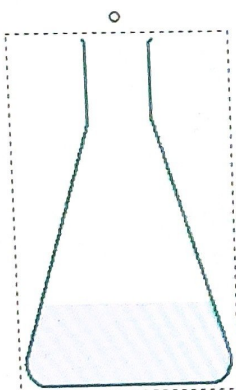
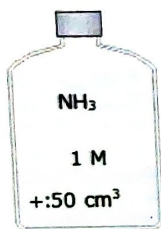
▼ Gases

	Volume(%)	Volume(cm ³)
nitrogen	75.956	126.785
oxygen	20.380	34.018
water vapour	2.696	4.499
argon	0.899	1.500
ammonia	0.037	0.062
carbon dioxide	0.032	0.054

▼ Physical Properties



m



- water
- hydrogen ion
- hydroxide ion
- ammonium ion
- phosphoric acid
- dihydrogen phosphate ion

▼ Reactions

Recently completed:
 phosphoric acid ↔ dihydrogen phosphate + hydrogen
 ammonia + water ↔ ammonium + hydroxide
 ammonia gas → ammonia solution
 phosphoric acid + ammonium hydroxide → water + ammonium dihydrogen phosphate
 dihydrogen phosphate ↔ hydrogen phosphate + hydrogen
 dihydrogen phosphate + water ↔ phosphoric acid + hydroxide
 hydrogen phosphate + water ↔ dihydrogen phosphate + hydroxide
 ammonium ↔ ammonia + hydrogen
 ammonia solution → ammonia gas

▼ In solution

	Conc.(mol L ⁻¹)	M
phosphoric acid	0.252	C
ammonium dihydrogen phosphate	0.249	C

▼ Liquids

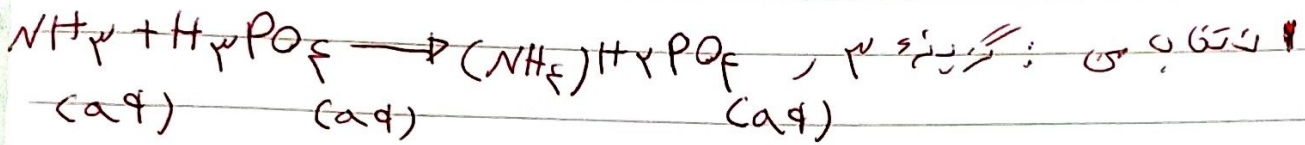
	Volume(cm ³)	Mass(g)	Temperature(°C)
water	99.918	99.918	24.597

▼ Gases

	Volume(%)	Volume(cm ³)
nitrogen	75.987	126.842
oxygen	20.389	34.034
water vapour	2.689	4.489
argon	0.899	1.501
carbon dioxide	0.032	0.054
ammonia	0.004	0.006

▼ Physical Properties

Temperature(°C)	pH	Volume(cm ³)	Mass(n)
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دلیل بر اساس پارامترها:

① با اینکه اسید نیتریک از اسید سولفوریک ران تر است، اما در مقابل گزیده (یک آمونیوم نیترات) که اسید نیتریک گران و خطرناک دارد رپه صافتر هست.

② این کود به فلاف آمونیوم نیترات، غیر مسموم و کاملاً ایمن است.

③ این کود علاوه بر ۱۶ درصد نیتروژن دارای ۲۱ درصد فسفر است که برای رشد گیاه فروری مناسب است.

④ بسیار محلول در آب است و سریعاً توسط گیاه جذب می‌شود.