

APES WATER TESTING LAB

Tests

Give the chemical formula and charge if applicable. Look up any formulas you do not know. You should learn all the formulas in this section. Informally cite all sources.

- 1) nitrate ion
- 2) iron (ferrous) ion
- 3) phosphate ion
- 4) chloride ion
- 5) ammonia
- 6) ammonium ion
- 7) sulfate ion
- 8) chlorine gas
- 9) chromium ion (hexavalent)
- 10) chromate ion
- 11) copper (cupric) ion
- 12) cyanide ion
- 13) silica
- 14) sulfide ion

Reagents

Give the proper chemical formulas. Look up any formulas you do not know. Informally cite all sources.

- 15) cadmium
- 16) sulfanilic acid
- 17) chromotropic acid
- 18) sulfuric acid
- 19) ammonium thiocyanate
- 20) ammonium molybdate
- 21) ascorbic acid
- 22) silver nitrate
- 23) potassium hydroxide
- 24) Nessler reagent
- 25) ammonium hydroxide
- 26) Eriochrome Black T
- 27) EDTA
- 28) barium chloride
- 29) o-Tolidine
- 30) Universal indicator