

### Element A

**Atomic Weight:** 23.0

**Appearance:** Soft, silvery solid.  
Tarnishes in air.

**Density:** 0.70 g/mL

**Electrical Behavior:** Conductor

**Behavior with water:** Reacts vigorously to produce hydrogen gas and form a basic solution.

### Element G

**Atomic Weight:** 35.5

**Appearance:** Greenish-yellow gas with an irritating odor.

**Density:** 0.0032 g/mL

**Electrical Behavior:** Non-conductor

**Behavior with water:** Reacts moderately with water to form an acidic solution.

### Element L

**Atomic Weight:** 79.9

**Appearance:** Reddish-brown liquid.  
Vaporizes readily to form a red vapor with an irritating odor.

**Density:** 3.1 g/mL

**Electrical Behavior:** Non-conductor

**Behavior with water:** Reacts slightly to form an acidic solution.

### Element R

**Atomic Weight:** 19.0

**Appearance:** Pale yellow gas with an irritating odor.

**Density:** 0.0017 g/mL

**Electrical Behavior:** Non-conductor

**Behavior with water:** Reacts violently to release oxygen gas and form an acidic solution.

### Element T

**Atomic Weight:** 85.5

**Appearance:** Soft, silvery-white solid.  
Tarnishes in air.

**Density:** 1.53 g/mL

**Electrical Behavior:** Conductor

**Behavior with water:** Reacts very violently to release hydrogen gas and form a basic solution.

### Element X

**Atomic Weight:** 126.9

**Appearance:** Shiny, violet-black solid.  
Sublimes to form a violet vapor with an irritating odor.

**Density:** 4.9 g/mL

**Electrical Behavior:** Non-conductor

**Behavior with water:** Reacts very slightly to form an acidic solution.

**Element Q****Atomic Weight:** 4.0**Appearance:** Colorless, odorless gas.**Density:** 0.00018 g/mL**Electrical Behavior:** Non-conductor**Behavior with water:** Unreactive**Element D****Atomic Weight:** 20.2**Appearance:** Colorless, odorless gas.**Density:** 0.00090 g/mL**Electrical Behavior:** Non-conductor**Behavior with water:** Unreactive**Element M****Atomic Weight:** 40.0**Appearance:** Colorless, odorless gas.**Density:** 0.0018 g/mL**Electrical Behavior:** Non-conductor**Behavior with water:** Unreactive**Element Z****Atomic Weight:** 83.8**Appearance:** Colorless, odorless gas.**Density:** 0.0038 g/mL**Electrical Behavior:** Non-conductor**Behavior with water:** Unreactive**Element J****Atomic Weight:** 6.9**Appearance:** Soft, silvery-white solid.  
Tarnishes in air.**Density:** 0.53 g/mL**Electrical Behavior:** Conductor**Behavior with water:** Reacts moderately to release hydrogen gas and form a basic solution.**Element E****Atomic Weight:** 39.1**Appearance:** Soft, silvery-white solid.  
Tarnishes in air.**Density:** 0.86 g/mL**Electrical Behavior:** Conductor**Behavior with water:** Reacts violently to release hydrogen gas and form a basic solution.