

Energy Critical Elements: Powering Our High-Tech World

Energy Critical Elements (ECEs) are found in a myriad of high-tech, environmental and military equipment. From smart phones to solar panels to jet engine parts, ECEs play crucial roles in products affecting our daily lives.



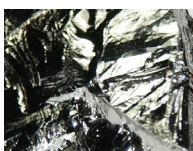
52

TeTellurium
127.60

TELLURIUM—brittle, silvery-white metallic element used in solar panels



32

GeGermanium
72.61

GERMANIUM—hard, grayish-white element with metallic luster; used in solar panels



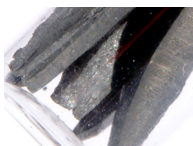
78

PtPlatinum
195.078

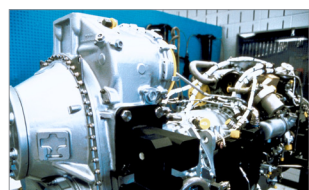
PLATINUM—silvery-white, lustrous, ductile and malleable; used in pollution control devices for cars, and in fuel cells



3

LiLithium
6.941

LITHIUM—a soft, silver-white metallic element; used in wind turbines and lithium-ion batteries in hybrid cars



75

ReRhenium
186.207

RHENIUM—silvery-white metal with one of the highest melting points of all elements; used to make advanced turbines and jet engine parts



65

TbTerbium
158.92534

TERBIUM—a soft, silvery-white rare earth metal; used along with its fellow rare earth europium in compact fluorescent light bulbs to provide an acceptable color balance

Energy-critical element images obtained from: <http://images-of-elements.com>