Element cards for Part 1

H Hydrogen Atomic mass: 1.008 Description: odorless gas, very flammable Compounds: H_2O, HCl	Li Lithium Atomic mass: 6.941 Description: soft gray metal, reacts with water Compounds: Li_2O, LiCl
Be Beryllium Atomic mass: 9.012 Description: gray metal Compounds: BeO, $BeCl_2$	B Boron Atomic mass: 10.81 Description: gray metalloid, semiconductor Compounds: $_{B2O3,}$ BCl_3
C Carbon Atomic mass: 12.01 Description: black solid (graphite) or transparent crystal (diamond) Compounds: CO_2, CCl_4	N Nitrogen Atomic mass: 14.01 Description: odorless gas, rather unreactive Compounds: NH_3, NCl_3
O Oxygen Atomic mass: 16.00 Description: odorless gas, very reactive Compounds: H_2O	F Fluorine Atomic mass: 19.00 Description: yellowish gas, extremely reactive Compounds: HF, NaF, CaF_2

Na Sodium Atomic mass: 22.99 Description: soft gray metal, reacts vigorously with water Compounds: Na_2O, NaCl	**Mg** Magnesium Atomic mass: 24.31 Description: gray metal, flammable Compounds: $MgCl_2$, MgO
Al Aluminum Atomic mass: 26.98 Description: silvery metal Compounds: $AlCl_3$, Al_2O_3	**Si** Silicon Atomic mass: 28.09 Description: gray metalloid, semiconductor Compounds: $SiCl_4$, SiO_2
P Phosphorus Atomic mass: 30.97 Description: white, red, or black solid, spontaneously flammable Compounds: PH_3, PCl_3, PCl_5	**S** Sulfur Atomic mass: 32.07 Description: yellow solid powder Compounds: H_2S, SCl_2
Cl Chlorine Atomic mass: 35.45 Description: greenish gas, extremely reactive Compounds: HCl, NaCl, $CaCl_2$	**K** Potassium Atomic mass: 39.10 Description: soft gray metal, reacts violently with water Compounds: K_2O, KCl

# Ca Calcium Atomic mass: 40.08 Description: hard silvery metal, flammable Compounds: $CaCl_2$, CaO	# As Arsenic Atomic mass: 74.92 Description: gray metalloid Compounds: AsH_3, $AsCl_3$, $AsCl_5$
# Se Selenium Atomic mass: 78.96 Description: gray or red solid Compounds: H_2Se, $SeCl_2$	# Br Bromine Atomic mass: 79.90 Description: red-orange liquid, very reactive Compounds: HBr, NaBr, $CaBr_2$
# Rb Rubidium Atomic mass: 85.47 Description: soft gray metal, reacts violently with water Compounds: Rb_2O, RbCl	# Sr Strontium Atomic mass: 87.62 Description: soft silvery metal Compounds: $SrCl_2$, SrO
# In Indium Atomic mass: 114.8 Description: soft silvery metal Compounds: $InCl_3$, In_2O_3	# Sn Tin Atomic mass: 118.7 Description: silvery-white metal Compounds: SnO_2, $SnCl_4$

Sb Antimony Atomic mass: 121.8 Description: bluish-white metalloid, semiconductor Compounds: SbH_3, $SbCl_3$, $SbCl_5$	Te Tellurium Atomic mass: 127.6 Description: silvery-white metalloid, semiconductor Compounds: H_2Te, $TeCl_2$
I Iodine Atomic mass: 126.9 Description: dark-purple solid, reactive Compounds: HI, NaI, CaI_2	

Element cards for Part 2

Ge Germanium Atomic mass: 72.59 Description: gray metalloid, semiconductor Compounds: GeO_2, $GeCl_4$	Ga Gallium Atomic mass: 69.72 Description: silvery metal, melts at just above room temperature Compounds: $GaCl_3$, Ga_2O_3

Element cards for Part 3

He Helium Atomic mass: 4.003 Description: odorless gas, very unreactive Compounds: none known	Ne Neon Atomic mass: 20.18 Description: odorless gas, very unreactive Compounds: none known
Ar Argon Atomic mass: 39.95 Description: odorless gas, very unreactive Compounds: none known	Kr Krypton Atomic mass: 83.80 Description: odorless gas, very unreactive Compounds: none known
Xe Xenon Atomic mass: 131.3 Description: odorless gas, very unreactive Compounds: XeF_6, XeF_4	