

Chemistry Unit 4 Classwork/Homework Packet

Station 1: Moles to Particles, Particles to Moles

Station 2: Moles to Mass, Mass to Moles

Station 3: Moon Rocks

Station 4: Cellular Respiration Chemical Equation

Station 5: Moon Rock Data

Oxide	% Mass of Soil	Mass in 1000 g lunar soil	Decomposition Chemical Equations	Mass of Oxygen Produced
SiO_2	47.3%			
Al_2O_3	17.8%			
CaO	11.4%			
FeO	10.5%			
MgO	9.6%			
TiO_2	1.6%			
Na_2O	0.7%			
K_2O	0.6%			
Cr_2O_3	0.2%			
MnO	0.1%			

Percent Yield of Process of getting Oxygen out:

Stoichiometry Scratch Work

Analyze Chewing Gum

Limiting and Excess Reactant Activity