

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 ₂ O ₃ | 17.8% | | | |
| CaO | 11.4% | | | |
| FeO | 10.5% | | | |
| MgO | 9.6% | | | |
| TiO ₂ | 1.6% | | | |
| Na ₂ O | 0.7% | | | |
| K ₂ O | 0.6% | | | |
| Cr ₂ O 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