

Weathering - breaking down of rocks

erosion - carrying away of rock fragments -
wind, H₂O, ice, gravity

uniformitarianism - past same as
now!

Mechanical weathering - physical
breaking rock

abrasion - grinding away of rock

ice wedging - expansion & cracking
rocks

Chemical weathering - Chemically breaking rocks by

O_2 , H_2O , CO_2 , or, life forms

H_2O - dissolving

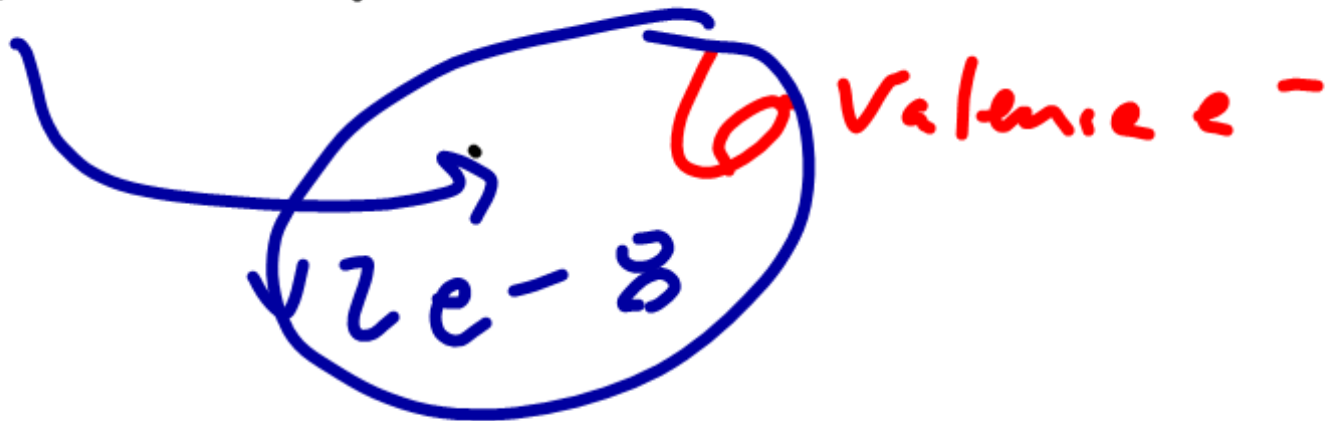
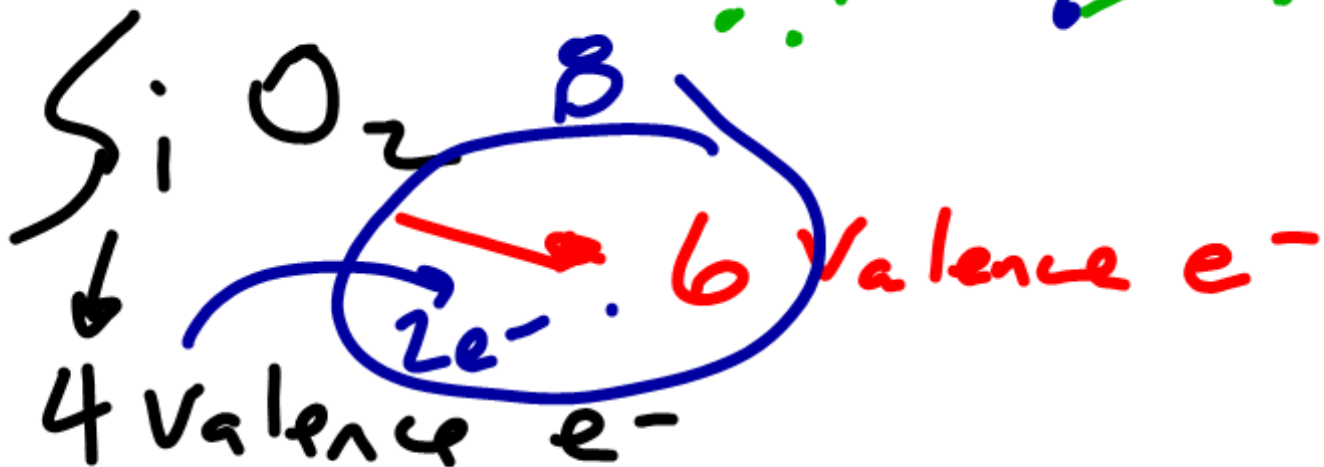
Oxidation - rusting

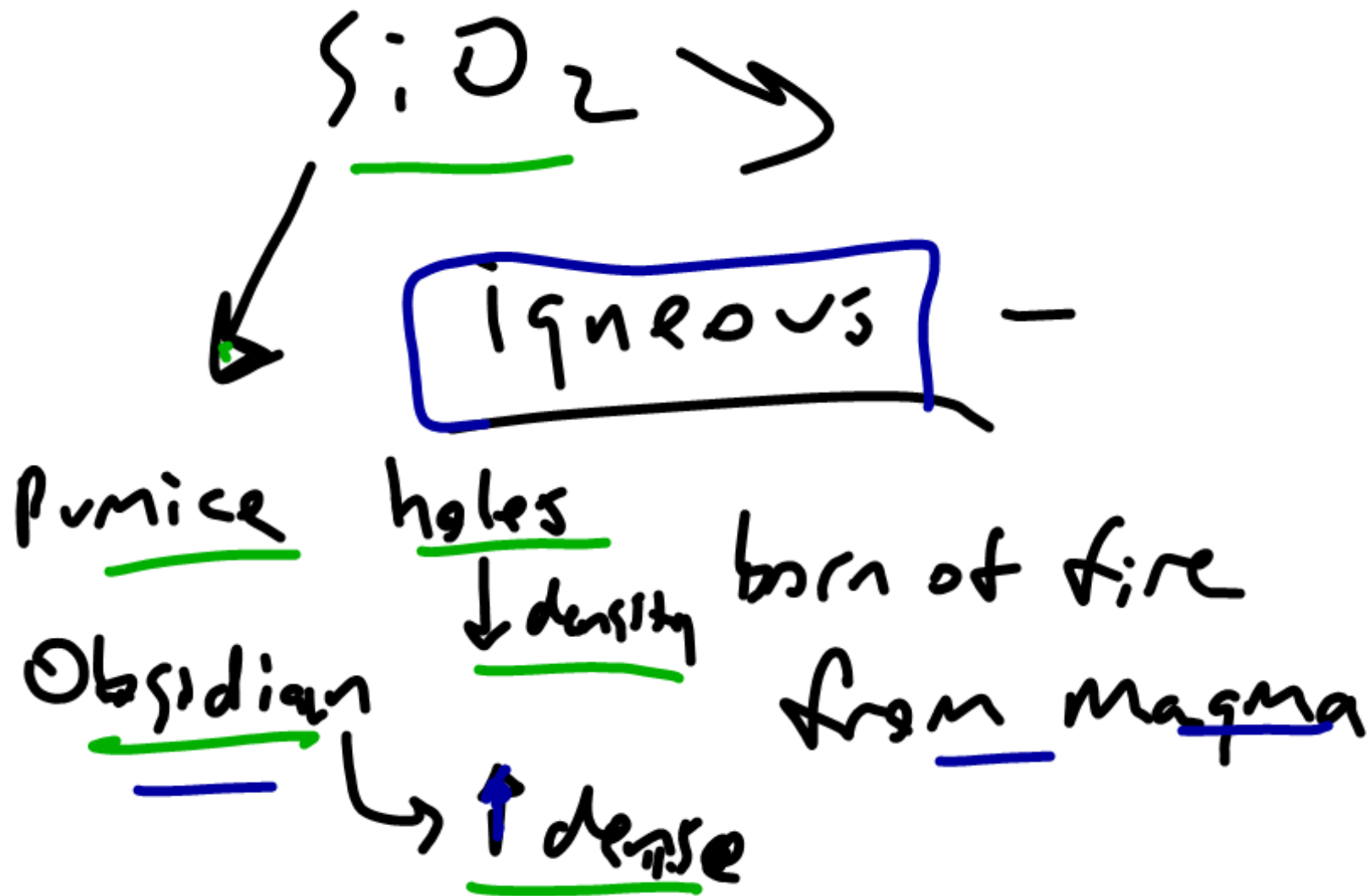
CO_2 - dissolved in water - Carbonic

Life forms - produce acids Acid

Acid Rain - S, C, N, compounds · H_2O

Quartz





Lava Basaltic

> ropy - pahoehoe Hawaiian
↑ density ↓ viscosity

> lumpy - a'a ↓ density

↑ viscosity