

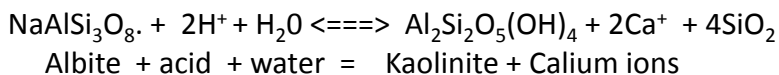
- 1) Create a balanced hydrolysis reaction for the weathering of Albite.
- 2) Create a balanced redox reaction for the weathering of Ferrosilite.

Due: Mon, Jan 30th, 10 AM

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- 1) Feldspars (including Albite) undergo hydrolysis reactions on Earth's surface. This weathering is one of the primary mechanisms by which clay minerals are created. In one sense it is appropriate to say that the weathering of granite (broadly speaking) creates clay and dissolved ions (from feldspar) and sand from quartz grains.



- 2) Iron bearing minerals (including Fayalite, the iron end-member olivine) are good examples of those that can undergo redox reactions. Because of Earth's oxygen rich atmosphere, oxidation of reduced iron is a very common weathering reaction.

