

**Sample Documentation**

Pick two specific **basaltic** rocks that were returned by Apollo 12 and document these samples in about 150 words each (remember Apollo 12 samples have number like 12XXX). Make sure to pick samples that have good age determinations. Please use your own words, do not just quote from the sources. For example state the size and mass of the sample in relation to a common object. For your each sample, make sure to include the following in your summary:

1. Sample Number
2. Sample size and mass in “common” terms
3. Describe where the sample was collected. Be as specific as possible.
4. How old is the sample (radioactive and exposure age).
5. Describe how the sample differs (in age and chemical composition) from basaltic samples collected by Apollo 11. Pay particular attention to the amount of  $\text{TiO}_2$  and  $\text{FeO}$ . Apollo 11 samples have number like 10XXX.

**Data Source:**

<http://www.lpi.usra.edu/lunar/samples/index.shtml#basalt>

**Due: Wed Feb 8th in class (−2% for every hour late)**