OLA KA HONUA: HAWAIIAN EXPERTS ACTIVITY

A) You have learned about these things from the Volcanoes Alive! CD:

1. Hawai‘i Legends – mo‘olelo, oli, mele & science theories

2. Planet Earth – LaPlace’s Theory of solar system evolution, the Earth’s inner & outer layers, and convection currents

3. Active Earth – Wegener’s Theory of Pangaea and tectonic plates that diverge, converge & transform

4. Earth’s Crust – Hess’ Theory of spreading plates, magma, mid-ocean ridges, trenches and hotspots

QUESTION: Hawaiians long ago learned these things by observing nature carefully, then telling their children the important information to memorize. Explain 3 or more ways they helped their ancestors and us remember so much.

_______________________________________________________

_______________________________________________________

_______________________________________________________

B) As you watch the next parts of the CD, listen carefully. In your group, help each other take a few notes &/or ask questions to memorize some of this information on the CD:

5. Volcanoes – shield & composite volcanoes, lava flow types, tephra, and gases

6. Hawaiian Volcanoes – Wilson’s Theory of island chain formation and stages of island erosion

7. Monitoring Volcanoes – Hawaiian & modern observations of caldera, slope, earthquakes, gas, and lava (supply, mapping & temperature).
C) Now, in your group, choose 1 of the 7 categories above to become experts in. Use your worksheet, notes and memories to plan a presentation of what you know. You may ask your teachers and also use your textbooks to get more information.

Your must present the main ideas in your section of the CD in 3 minutes. This can be done in any of these ways:

- moʻolelo
- oli
- mele
- lono
- hula
- lecture
- rhyme
- drawing
- skit