

Week 12 Reading Assignments and Discussion Questions

Reading Assignment:

Withgott, J. and S. Brennan (2009) *Essential Environment*, 3rd ed., Pearson, San Francisco: 438 pp.

- Read pages 288-301

Kane, H. K. (1996) *Pele Goddess of Hawai'i's Volcanoes*, The Kawainui Press, Captain Cook: 71 pp.

- Read pages 13-17, 27-30

Lecture Notes:

- For each of the two lectures write a summary paragraph (1/2 page double spaced at minimum for each lecture) describing in your own words what was covered.
- Have you or a family member been affected by one or more of the EPA's six criteria pollutants? If so let me know which one/ones and what impact it had on you and/or your family. If not, which pollutant would you be most afraid to encounter and why?

Withgott and Brennan

- What's the difference between Primary and Secondary Pollutants?
- What are the EPA's six criteria pollutants?
- What is the difference between "Killer" or industrial smog and Photochemical smog?
- What are three common indoor air pollutants? How do they affect your health?

Kane

- What did Na-maka-o-Kaha'i do to her sister Pele? How does this relate to the geology of the Hawaiian Islands?
- On what island, and where on the island, did Pele find a safe place to house the sacred fire?
- Could Pele make fire herself? Why or why not?
- Who is Pele's rival? What does their rivalry have to do with Mauna Kea?