

Land Unit
Mrs. Ramos and Mr. Bartram

4/12 Notes: Nutrition & Agriculture Landfill Mini Lab	4/13 Notes: Mining Mining Activity	4/14 Mining Activity Notes: Landfill and Hazardous Wastes	4/15 Finish Notes Landfill Mini Lab Bill Nye Video	4/16 Minimum Day 3RD Qtr Ends Quiz Turn in Outlines
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Outlines:

Chapter 13: all including Core case study on Golden Rice, especially. Look at types of traditional agriculture, Desertification, Salinization, Types of pesticides, Other ways to Control Pests, Sustainable Agriculture. Qs: None

Chapter 22: all including Core Case study on Love Canal, integrated waste management, sketch and label cross section of sanitary landfill, sketch and label cross-section of hazardous landfill, Case study on Mercury
Qs: none

Videos:

-Bill Nye video is with Linda Hauck, Room 28. Use if have time. It's a fun and goofy video.

Overall Goals:

LAND

- **Mining**
 1. List a few resources provided via mining?
 2. Are these resources renewable or nonrenewable?
 3. Describe the different types of mining & the benefits and drawbacks to each: surface: open pit, plasser, strip, and contour. Subsurface: shafts & caves
 4. Causes to increased solid waste
 5. Solutions to reducing the effects of mining on the environment
 6. Legislation: RCRA, CERCLA, SMCRA
 7. What is a depletion curve, how might this influence mining/consuming
- **Solid Waste**
 1. What is solid waste?
 2. What is the main type of solid waste for homes and businesses?
 3. Describe the benefits and drawbacks to different methods of disposing of MSW
 4. Give one example of an item that could be reduced, reused, recycled
 5. Ways to reduce solid waste
 6. Landfill cross-section
 7. Hazardous waste: describe the four categories
 8. How is a hazardous dump site different than a sanitary landfill?
- **Food and Agriculture**
 1. Causes of World Hunger
 2. Solutions to WH: benefits and drawbacks to each
 3. Under nutrition vs. malnutrition
 4. Under nutrition Disorders: deficiency and symptoms
 5. Describe and list the benefits and drawbacks to different methods of agriculture: nomadic herding, subsistence, shifting (plantation), industrialized monoculture
 6. Describe and list benefits of more sustainable agricultural practices: intercropping, polyvarietal, polycultural, agroforestry
 7. What role does the government play in aiding the stabilization of farming (in providing stability for the country)?