



Living with Nature Series

Green Practices

February 12, 2020

Name: _____

Green Pledge

Write and sign a personal Green Practices pledge below.

Composting

What at the NC Zoo is in our compost piles? Poop/feces, animal bedding, leftover animal food, plant material, restaurant food waste, plates, cups, utensils.

What is George's compost process (name as many steps as you can fit)?

All compost is dumped in one area and mixed together, windrows are created based on how long material has been there, each windrow must reach 160F for a certain amount of time while constantly being churned, after roughly 3-6 months it can be used around the Zoo.

Other than lessening waste, making our own compost helps the NC Zoo be more green by: Lowering transport costs

Energy and Climate

1. Name a type of fossil fuel that is burned to produce energy.

Coal, oil, natural gas

2. Too much of this in the atmosphere can disrupt climate systems.

Carbon Dioxide or CO2

3. Name one way Emma said she could reduce her use of energy.

Turn off and unplug electronics from wall when not in use, watch temperature in house,

Positive: computer in sleep mode, lights turned off, vent air diverted to circulate around the room, choice for multiple levels of light, visible Standard Operating Procedures.

Negative (how to turn positive in parentheses): windows blocked (open for more natural lighting instead), outlets filled with many different plugs (all plugs on one easily turned off strip), fluorescent lighting (LED or other more energy efficient lightbulbs), both monitors still on (turn off when leave, keep note to help).

Some additional practices may be ad-libbed due to nature of live show.

Stedman Building Green Audit

Use the blank page on the left to write three positive and three negative green practices from Dr. Folta's office audit. Add how to make the three negative green practices more positive.

What We're Looking For

- type of light used
- Phantom energy use
- Protocols
- Proper waste receptacles
- Temperature control
- Leaks or blocks

Food Miles

1. Name a food Steve talks about and how far away it must travel from.

Avocados = 2500, almonds = 2700, coffee = 4000, and chocolate = 5000

2. How does the NC Zoo reduce its food miles for the Polar Bear diet?

Gets capelin and herring from East coast only, not from West or other continents. Also sustainably sourced seafood.

3. Name an individual and community level solution to food miles.

Individual—buy food from local farmers market

Community—set up garden for whole neighborhood/school