PLT’s Energy & Society Materials

Hike Through the Kit

Answer the following questions and specify where you found the information.

1. What song contains the lyrics, “The atom’s nucleus is charged positive / it’s where the positive proton and neutral neutron live / the nucleus is orbited by the electrons / which are negatively charged and always moving on”?

2. How much food does an adult giraffe eat in a day?

3. One song is presented in both English and Spanish. What is the title of the song in both languages?

4. What is a foot-pound and what is it used to measure?

5. Which national education standards are met by the Energy & Society concept, “Individuals can impact the environment through their energy choices.”

6. Step-by-step dance instructions are provided for which songs?

7. What children’s literature for ages 4-8 is related to geothermal energy?

8. What are the typical sources of energy for today’s hybrid cars?

9. Which activity is contained in both PLT’s PreK-8 Environmental Education Activity Guide and PLT’s Energy & Society Activity Guide?

10. What is the second educational objective for Activity 3: Energy Chains?

11. What poster is used in Activity 1: Energy Detectives?

12. What other PLT activities are related to Activity 4: What Powers the Move?

13. What are the four categories of the Energy Challenge Game?

14. What subjects are covered in Activity 2: May the Source Be with You?

Bonus Question
For what age levels are the songs and dance instructions the most appropriate?
Answer the following questions and specify where you found the information.

1. What song contains the lyrics, “The atom’s nucleus is charged positive / it’s where the positive proton and neutral neutron live / the nucleus is orbited by the electrons / which are negatively charged and always moving on”?

2. How much food does an adult giraffe eat in a day?
   75 pounds of food.   Source: Where is the energy? poster.

3. One song is presented in both English and Spanish. What is the title of the song in both languages?

4. What is a foot-pound and what is it used to measure?
   A foot-pound is the energy required to raise a one pound object one foot from the Earth’s surface. It is used as a measurement in mechanical energy.  Source: Energy & Society Activity Guide, Part Two: Background Information for Educators, page 13.

5. Which national education standards are met by the Energy & Society concept, “Individuals can impact the environment through their energy choices.”

6. Step-by-step dance instructions are provided for which songs?

7. What children’s literature for ages 4-8 is related to geothermal energy?

8. What are the typical sources of energy for today’s hybrid cars?

9. Which activity is contained in both PLT’s PreK-8 Environmental Education Activity Guide (eighth edition, 2001) and PLT’s Energy & Society Activity Guide?
10. What is the second educational objective for Activity 3: Energy Chains?  
   Students will be able to explain The Law of Conservation of Energy.  

11. What poster is used in Activity 1: Energy Detectives?  
   Where is the Energy?  

12. What other PLT activities are related to Activity 4: What Powers the Move?  
   #53: On the Move, #55: Planning the Ideal Community, #85: In the Driver’s Seat, and  
   #86: Our Changing World.  

13. What are the four categories of the Energy Challenge Game?  

14. What subjects are covered in Activity 2: May the Source Be with You?  
   Language Arts, Science, Social Studies, Art.  

Bonus Question  
For what age levels are the songs and dance instructions the most appropriate?  
While all the songs and dances are appropriate for all ages, Energy & Me and Water Cycle feature younger kids and use simpler dance moves.  
It is the Energy, It is the Sun, Resources, and Energy feature older kids and the dance steps are more complex.  