

Name: _____

Discovery Techbook (Renewable and NonRenewable)

_____ Energy (2:06)

a. What is the law of conservation of energy?

_____ Fossil Fuelled (6:00)

a. How is coal made?

b. What happens as you add thermal (heat) energy to water?

c. How does a steam engine work?

_____ Geothermal Power (1:27)

a. What is geothermal power?

b. What are the advantages of geothermal power?

_____ How big is your footprint? (Virtual Lab)

Test--Solar--Wind--Coal--Gas--C.F.P. -- Total Cost

1.

2.

_____ Hydropower: Hydroelectric Power and the 3 Gorges Dam (2:50)

1. Why are dams built? (3 Reasons)

2. What percent of world's electricity is made by hydroelectric dams?

_____ Kinetic and Potential Energy (2:55)

1. Difference between kinetic and potential energy?

_____ Nonrenewable (Animation)

_____ Renewable Resources (5:51)

a. What are nonrenewable resources?

b. How much of the total sun's energy reaches the earth?

c. How do wind turbines work?

d. What is biomass? Examples.

_____ What is energy? (1:48)

a. What is energy?

b. What is matter?

_____ Assessment: (Renewable and Nonrenewable)

Score: _____ / 9