

Name: \_\_\_\_\_

## **Discovery Techbook (Issues with Fossil Fuel)**

### **\_\_\_\_\_ Carbon in the Atmosphere: The GreenHouse Gas (2:20)**

- a. Why do they call CO<sub>2</sub> a greenhouse gas?
  
  
  
  
  
  
  
  
  
  
- b. What would planting more trees do to help with CO<sub>2</sub> levels?

### **\_\_\_\_\_ Climate and the Water Cycle (Reading)**

- a. What is another name for the water cycle?
  
  
  
  
  
  
  
  
  
  
- b. How is the water cycle driven?
  
  
  
  
  
  
  
  
  
  
- c. How does global warming affect the water cycle?
  
  
  
  
  
  
  
  
  
  
- d. How will warming temperatures affect seasonal events?

### **\_\_\_\_\_ Curbing Pollution (35 seconds)**

## Fossil Fuels (10:04)

- a. Name some different fossil fuels.
  
- b. How were fossil fuels formed?
  
- c. How do fossil fuels damage the environment?
  
- d. Draw or explain how CO<sub>2</sub> affects atmospheric temperatures?
  
- e. When do scientists believe greenhouse gases started to build?
  
- f. What is global warming?
  
- g. What is smog?
  
- h. What is acid rain?
  
- i. What is the source of smog, acid rain, and global warming?

\_\_\_\_\_ **Ozone: Harmful and Helpful (3:56)**

a. What is ozone?

b. How is ozone helpful in the upper atmosphere?

c. How do CFC's hurt the ozone layer?

\_\_\_\_\_ **Rev your engine (Exploration)**

a) Gas-engine car

Rate of emission: \_\_\_\_\_

Weekly km: \_\_\_\_\_

Annual Emissions: \_\_\_\_\_

b) Gas - electrical hybrid car

Rate of emission: \_\_\_\_\_

Weekly km: \_\_\_\_\_

Annual Emissions: \_\_\_\_\_

\_\_\_\_\_ **Assessment: Issues of Fossil Fuels**

Score: \_\_\_\_\_ / 11