

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

## Discovery Techbook: Compounds and Molecules

### \_\_\_\_\_ Compounds (3:59)

- a. What is a compound?
  
  
  
  
  
  
  
  
  
  
- b. What two elements make up salt?
  
  
  
  
  
  
  
  
  
  
- c. Why are chemical symbols used?
  
  
  
  
  
  
  
  
  
  
- d. What do you get when you put chemical symbols together to show a molecule or compound?
  
  
  
  
  
  
  
  
  
  
- e. What elements and what number of atoms are found in sulfuric acid?

### \_\_\_\_\_ Compounds (1:52)

- a. Do compounds have the same properties of the elements that make them up?

## **Compounds: The Bonds that Bind (Exploration)**

**\*Select two elements and discover how the atoms combine to form a compound.**

a. \_\_\_\_\_ and \_\_\_\_\_ form \_\_\_\_\_

b. \_\_\_\_\_ and \_\_\_\_\_ form \_\_\_\_\_

## **Elements and Compounds (2:26)**

a. Name the three ways matter can be classified?

b. What happens to the number of protons when you do down the periodic table?

## **Molecules, Compounds, and Chemical Bonds (2:47)**

a. Do atoms exist mostly by themselves in nature or do they tend to join together and form compounds and molecules?

b. What type of energy is stored in the chemical bonds found between atoms in a molecule?

## **Chemical Bonds, Elements, Atoms, and Compounds**

**(1:47)**

- a. **Where is chemical energy stored?**
  
- b. **What elements does water contain?**
  
- c. **What are the three subatomic particles found in an atom?**
  
- d. **Do the elements that make up water have the same properties as water itself?**
  
- e. **What does it mean that atoms are chemically bonded together?**
  
- f. **How do chemical reactions occur?**
  
- g. **What are the reactants in the making of water by H and O?**
  
- h. **What are the products in the making of water by H and O?**

## **Cleaning the Tar Away (5 minutes)**

- a. **How did the kids remove the tar from the car?**