

Name: _____

? MYSTERY POWDERS ?

1. You will receive 4 different powders. You must use your senses and the tools provided to observe these substances and determine what each substance is made of.
2. BEFORE any testing, make a prediction about each substance and write it down in the "Prediction" column.
3. Next, decide on 4 "tests" or observations you will make. You will do the same tests to each substance. These tests can include:
 - a. Texture/feeling
 - b. Mixing with water
 - c. Mixing with vinegar
 - d. Mixing with iodine
 - e. Looking closely with magnifying glasses
4. In each test box, if a PHYSICAL change occurred write "P" and if it was a CHEMICAL change, write "C".
5. After all tests are made, make a new prediction and write it in the box. It is fine to keep the same guess! We will discuss the substances after everyone is finished testing.

| Powder Label | Prediction | Test 1: _____ | Test 2: _____ | Test 3: _____ | Test 4: _____: | New Prediction | Actual Substance |
|--------------|------------|------------------|------------------|------------------|-------------------|----------------|------------------|
| A | | | | | | | |
| B | | | | | | | |
| C | | | | | | | |
| D | | | | | | | |