

## WHAT AM I?

Use the information on your Mystery Powder Identification page to identify of each of the 5 unknowns.

1. I do not easily mix with water. When my water mixture is filtered, I am left in the filter paper. I have a pleasant smell.

I am the \_\_\_\_\_ unknown.

I am **talc or baby powder**.

2. I do not dissolve in water. When my water mixture is filtered, I am left in the filter paper. I turn purple-black when iodine is added to me.

I am the \_\_\_\_\_ unknown.

I am **cornstarch**.

3. I am made of crystals. When I am mixed with water, I dissolve. Some crystals may settle on the bottom, but the water is clear.

I am the \_\_\_\_\_ unknown.

I am **sugar**.

4. I fizz and bubble when vinegar is added to me. When red cabbage juice is added, I turn green.

I am the \_\_\_\_\_ unknown.

I am **baking soda**.

5. When I am mixed with water, I dissolve. When the water mixture is left standing for a few days, I reappear as beautiful crystals. I turn bright purple when red cabbage juice is added to me.

I am the \_\_\_\_\_ unknown.

I am **alum**.