

Name _____

Class _____

How can we find out which materials contain carbonates?

Carbon dioxide is formed when an acid is added to a carbonate. Carbon dioxide is a gas. You can see that a gas is being made because the acid will 'fizz'.

P**Apparatus**

- Eye protection
- Test tube rack
- Materials to test
- Boiling tube
- Hydrochloric acid

**Wear eye protection.****Method**

- 1 Collect the materials you are going to test, and write their names in the table.
- 2 Put one of the materials into a boiling tube.
- 3 Add five drops of acid to the tube.
- 4 Watch carefully, and write your observations in the table.
- 5 Ask your teacher what to do with the material you have left. Wash out the test tube.
- 6 Repeat steps 2 to 5 for your other materials.

Recording your results

Material	Observation	Carbonate? (✓ or X)

Considering your results/conclusion

Fill in the last column of the results table to show which materials contained carbonate.

How did you know which materials contained carbonate? _____

**observing, considering**