

Ocean Acidification Experiment

Background:

As oceans warm up, they absorb different amounts of gas.

One gas they absorb is carbon dioxide.

Carbon dioxide plus water makes a weak acid - carbonic acid.

Acidic water reacts with alkaline corals and shells.

Aim:

To find out how much carbon dioxide is absorbed by cool and warm water.

Hypothesis:

Variables:

Independent variable: what are you changing?

Dependent variable: what are you measuring?

Controlled variables: what are you keeping the same?

Materials:

1 x tray

1 x measuring cylinder (250mL)

1 x thermometer

2 x Alka Seltzer tablets

Tap water

Warm water from the urn

Method:

Follow Mrs Shirriff's demo and instructions.

Results:

Temperature of water	Volume of gas	pH of water