

## Worksheet for Activity 4.3

### Hydrogen peroxide lab

#### Materials

- test tube (x2)
- plastic cup or beaker (x2)
- cool water
- warm water
- hydrogen peroxide (3% H<sub>2</sub>O<sub>2</sub>)
- goggles
- latex or vinyl gloves

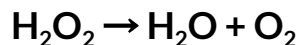
#### Safety warning

Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) is extremely corrosive. In the concentrated form it causes severe burns. Even dilute hydrogen peroxide is hazardous in case of eye contact. Be sure to wear goggles disposable vinyl or latex gloves at all times. If you spill some on your skin or counter, wash with water and dry. In case of contact with eyes, rinse with water for at least 15 mins.

#### Investigate

Fill each test tube about ¾ of the way full with the hydrogen peroxide. Add hot tap water to one of the cups or beakers and cool tap water to the other cup or beaker. Place one test tube into each of the cups or beakers of water.

The equation for this reaction is



According to the equation, what is happening in this reaction?

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Record your observations

hot water	cool water

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