

Solubility

Teacher demonstration

Equipment

- A tall 1 dm³ beaker or gas jar
- Water
- Several crystals of potassium manganate(VII) (HARMFUL and OXIDISING)
- White card to provide a background.

Procedure

- Fill the beaker or gas jar two-thirds full of water.
- Carefully add the crystals of potassium manganate(VII).
- Leave and observe at regular intervals during the session.

Note

- A little gentle agitation will accelerate the dissolution of the crystals.
- It may be necessary to set up a number of similar demonstrations around the laboratory so that all students have a clear view of at least one.