

EXPERIMENT - HEAT ABSORPTION OF COLOURS

An easy experiment to investigate how water changes state and how colour affects heat absorption.



MATERIALS REQUIRED:

- Coloured ice cubes (see teachers hints)
- Stopwatches
- Containers to place melting ice into

METHOD:

- Prepare a variety of coloured and non coloured ice cubes
- Give groups of students ice cubes of differing colours
- Students should record the time taken for the ice cubes to melt

RESULTS:

- What happens when ice warms?
- Why do you think some of the coloured ice melt faster than others?
- When snow melts in the water cycle what happens to it?

DISCUSSION TOPICS:

- How is global warming affecting the water cycle?
- How is deforestation affecting the water cycle?

TEACHERS HINTS

- Use food dyes, milk, and cola to change ice cube colours.
- To speed up the experiment each group of students could be given a single colour ice cube to time then different groups could compare their times at the end of the experiment.