

## Melting icebergs

### – *experiment with an ice cube*

You need:

Milk carton (1 L), cold water, food colouring, a freezer, an aquarium (approximately 5 L) and hot water.

- Fill the milk carton with cold water. Add food colouring so the water is clearly dyed. Put the milk carton in the freezer till the water is frozen, it will take around 24 hours.
- Fill the aquarium with hot water, so that the water depth is minimum 20 cm. Remove the ice from the carton and place it in the middle of the aquarium.
- Watch the ice as it melts.

Try to see if you can answer the following questions:

- How much of the ice is below the water?
- What is heavier – ice or water?
- Where do you see this in nature?
- What happens to the coloured water when the ice melts r?
- What is heavier – cold or hot water?

