# What causes ice to melt?

### Explanatory video transcript

*(0:10)* What causes ice to melt?

*(0:15)* What is ice made of?

*(0:18)* Yes, it's made of water. And guess what, we can make ice at home. How?

*(0:28)* By putting water in the freezer.

*(0:46)* Now, have you ever wondered why ice melts?

*(0:51)* To answer this question, we have made an experiment. We used three ice cubes and placed them in three places at different temperatures.

*(1:05)* The first ice cube is our control, we are not doing anything special to it.

*(1:12)* The second one is for fast melting. How? If you live in a sunny place, put it where the sun can reach. If it's colder, use a lamp or put it near something warm, like a fireplace.

*(1:29)* The third one is for slow melting. Where could you put the ice to keep it from melting so fast? Somewhere cold like the fridge.

*(1:43)* Why ice melts? We discovered that temperature is the key player. The warmer it gets, the faster the ice melts.

*(1:55)* Ice melts when it absorbs heat from its surroundings. When the temperature around the ice is warmer than the freezing point of water, the ice starts to warm up.

*(2:05)* As it warms, the ice gains energy, which causes the molecules inside the ice to move faster and break free from their solid arrangement.

*(2:15)* This process continues until all the ice turns into liquid water.