



*Working Scientifically*  
*Week 4*

# Our Science Learning Journey – Working Scientifically

## Key vocabulary:

questions

predict

observe

test

experiments

fair test

result

Seasonal changes

To perform a simple test

To ask and answer questions

To make a prediction

Can I observe and suggest answers to the question?

To answer questions about what I have learnt

Tuesday 17th March 2026



*LQ: Can I perform a simple test?*

## *Steps to Success*



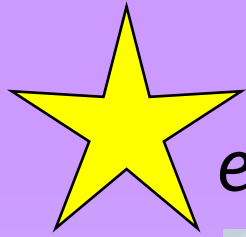
*All: I can perform a simple test.*

*Most: I can make sensible predictions.*

*Some: I can comment on my findings.*

LQ: Can I perform a simple test?

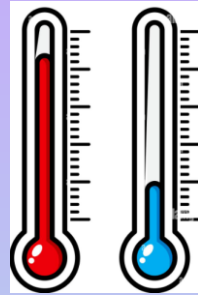
# Star words



experiment



temperature



predict



melt/melting

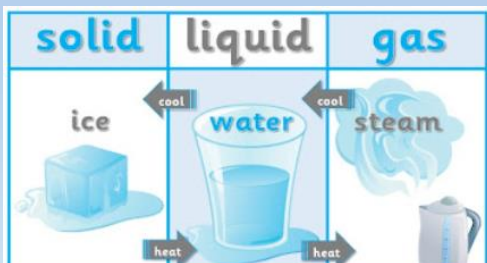


ice

heat



change



observe



*This week will be working scientifically to perform a simple test. We are going to predict and investigate the quickest way to melt ice.*



*TP: What does prediction mean?*

*What do you think will happen to the ice?*

*Prediction is a scientific guess about what you think will happen.*

*TP - What is freezing?  
How do things become frozen?  
Can materials freeze without  
water?*



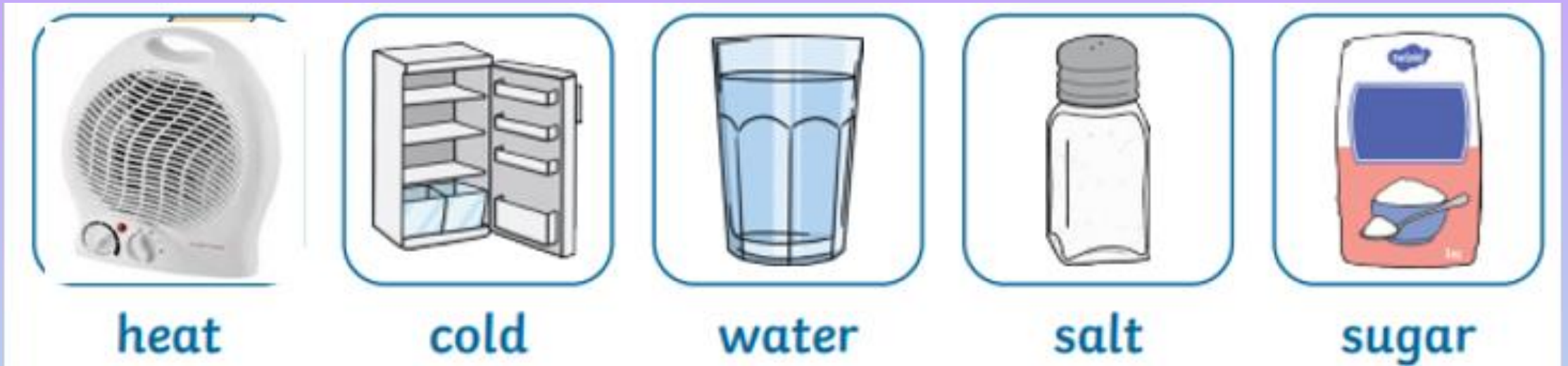
<https://www.youtube.com/watch?v=zz23BquFgDY>

Self assessment

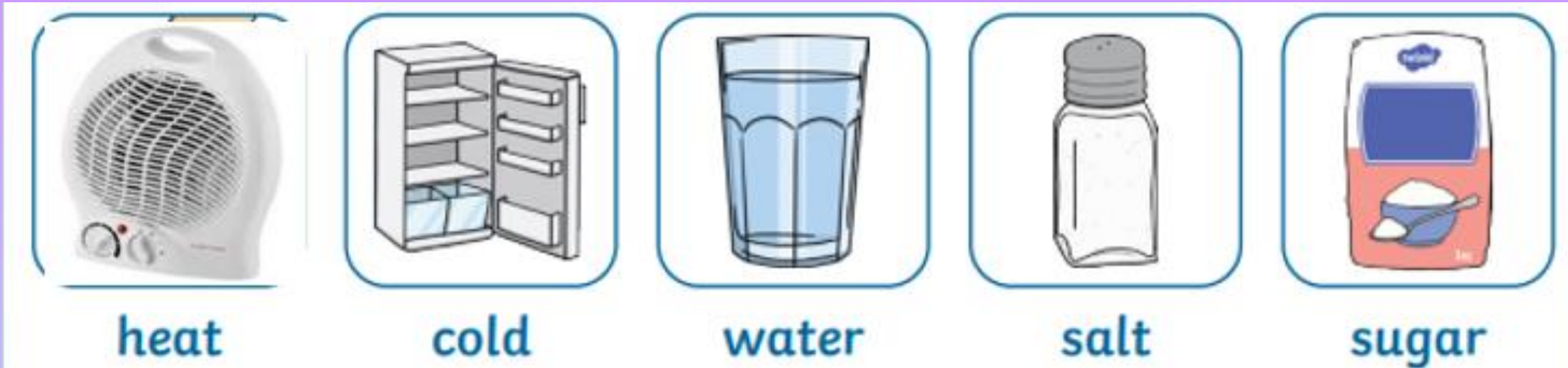
Do you understand what  
freezing means?



We are going to test which method is the quickest way to melt ice. To make it a fair test, we need to use the same duration of time and use the same sized ice.



TP: Which will melt the ice the quickest?

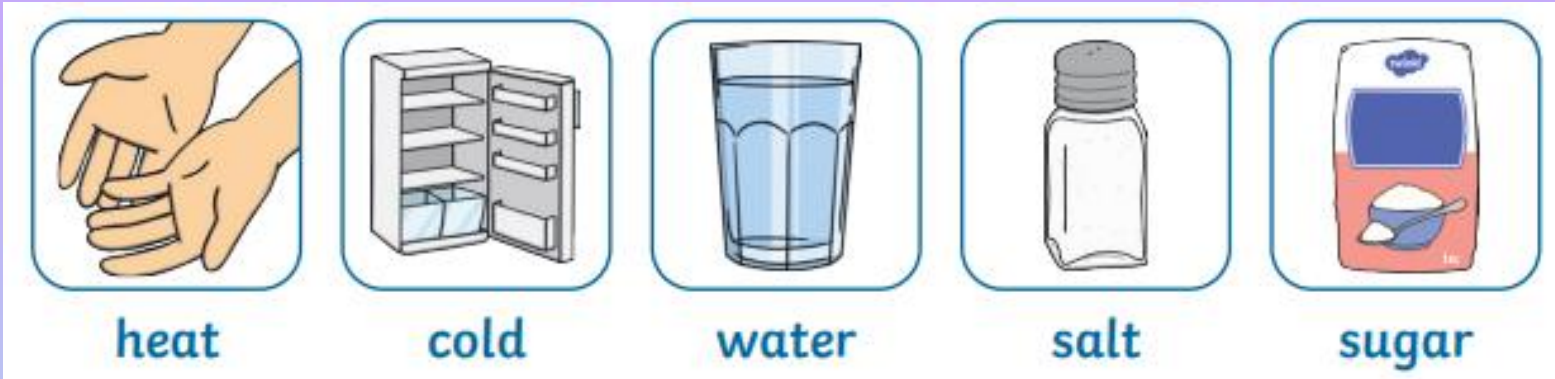


*Sentence starter...*

I predict the \_\_\_\_\_ will melt the ice quickest.

I predict the \_\_\_\_\_ will melt the ice the slowest.

Let's test our predictions.  
We need to remember to time each test for 1 minute.  
Now write what you have found out.



I found out the \_\_\_\_\_ melted the ice quickest.

I found out the \_\_\_\_\_ melted the ice slowest.

Self assessment  
Do you understand what to do?

# Assessment

*All: I can say the names of different weather types.*

*Most: I can describe the weather related to the 4 seasons.*

*Some: I can ask a question related to weather and seasons.*

1. *What are the four seasons in the year?*
2. *What season are we on?*
3. *What's the weather like in Winter?*
4. *How does the material change when it's frozen?*
5. *What is freezing point?*
6. *What is the best way for ice to melt?*