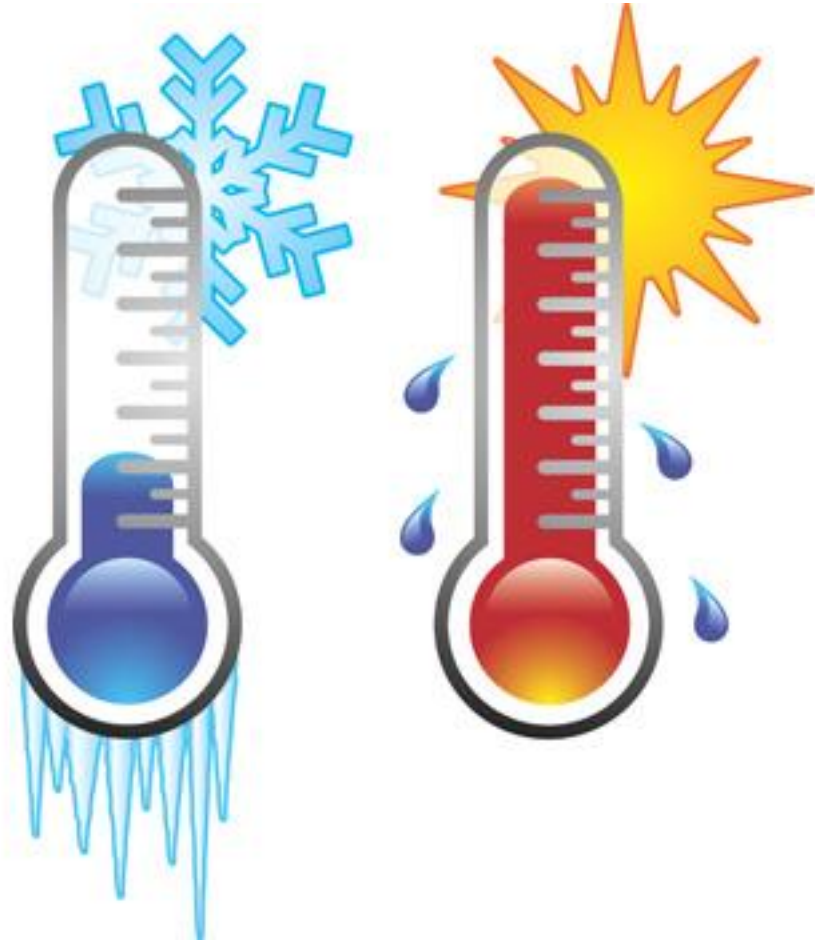


# Math

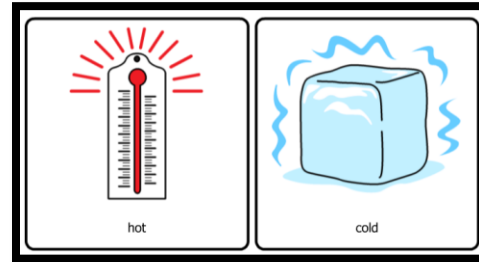
Hot and Cold Sorting

Today we will be learning to classifying objects that are **hot** and **cold** and sort them.



# Materials: These are the items you will need for this lesson.

A few frozen balloons



For students



2 wet sponges



Filled with ice cubes



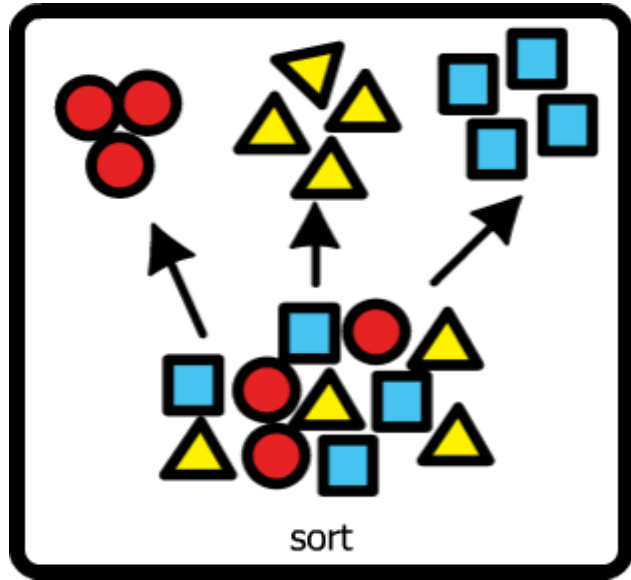
Pocket dice



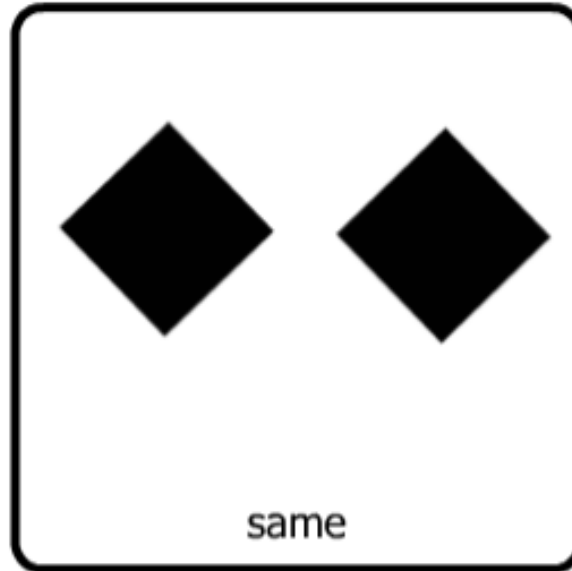
2 bins for sorting w/ hot and cold label

If you don't have any of these items just try to find things around the house that are hot/cold

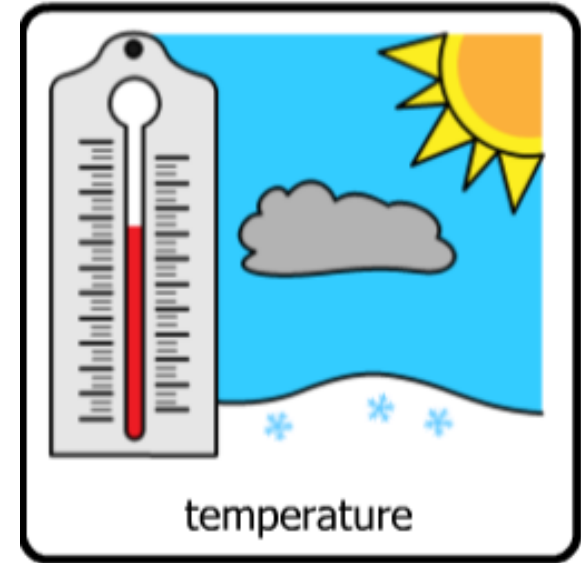
# The vocabulary for today's lesson is....



separating items into groups based on something that is the same.

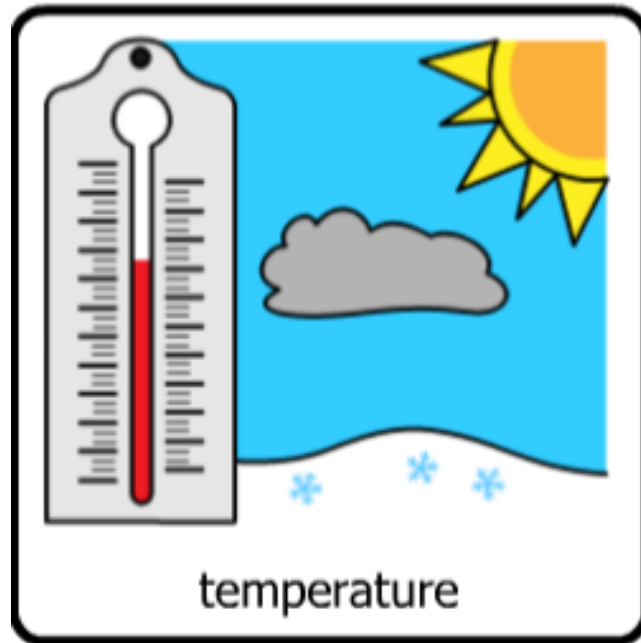


identical; not different.



How something feels

Step 1: Learn about common hot and cold temperatures and items in our daily lives.

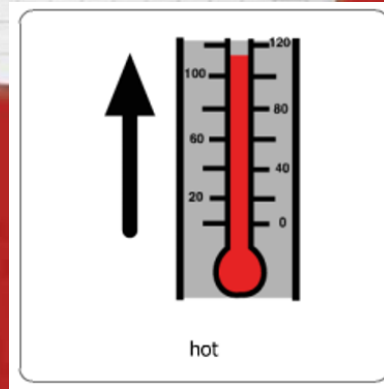


# Is it hot?

Different materials have different properties.

Some materials are hot.

The oven is hot.  
It cooks our food.



The kettle makes water hot for coffee or tea.



The toaster makes the bread hot.



Why do all of these objects need to be hot?

Here are some other *hot* things:

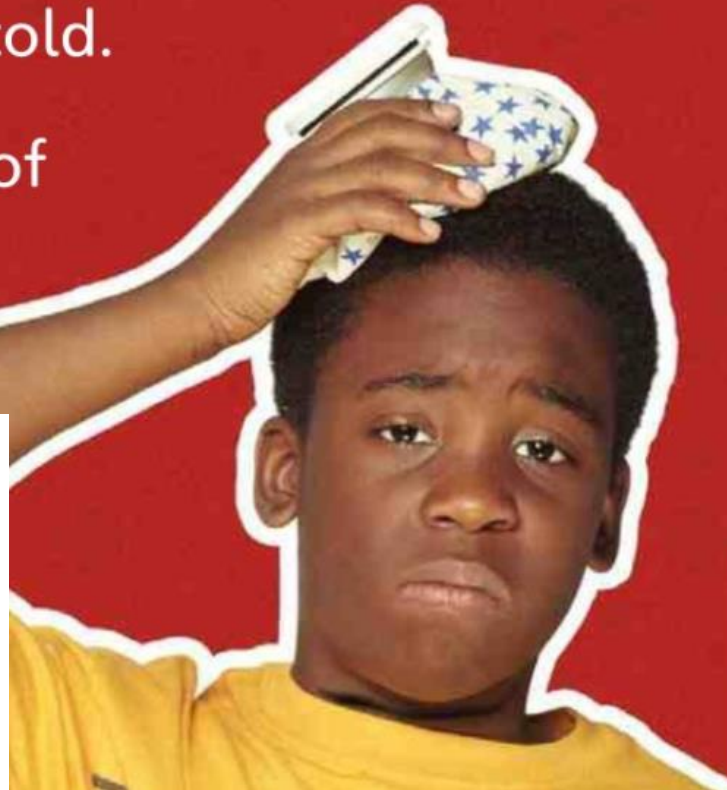


## Is it cold?

Some materials are cold.

The ice pack is cold.

It helps get rid of headaches.



cold

The refrigerator is cold.

It keeps food fresh.



Think about something you ate today. Was it hot or cold?

1

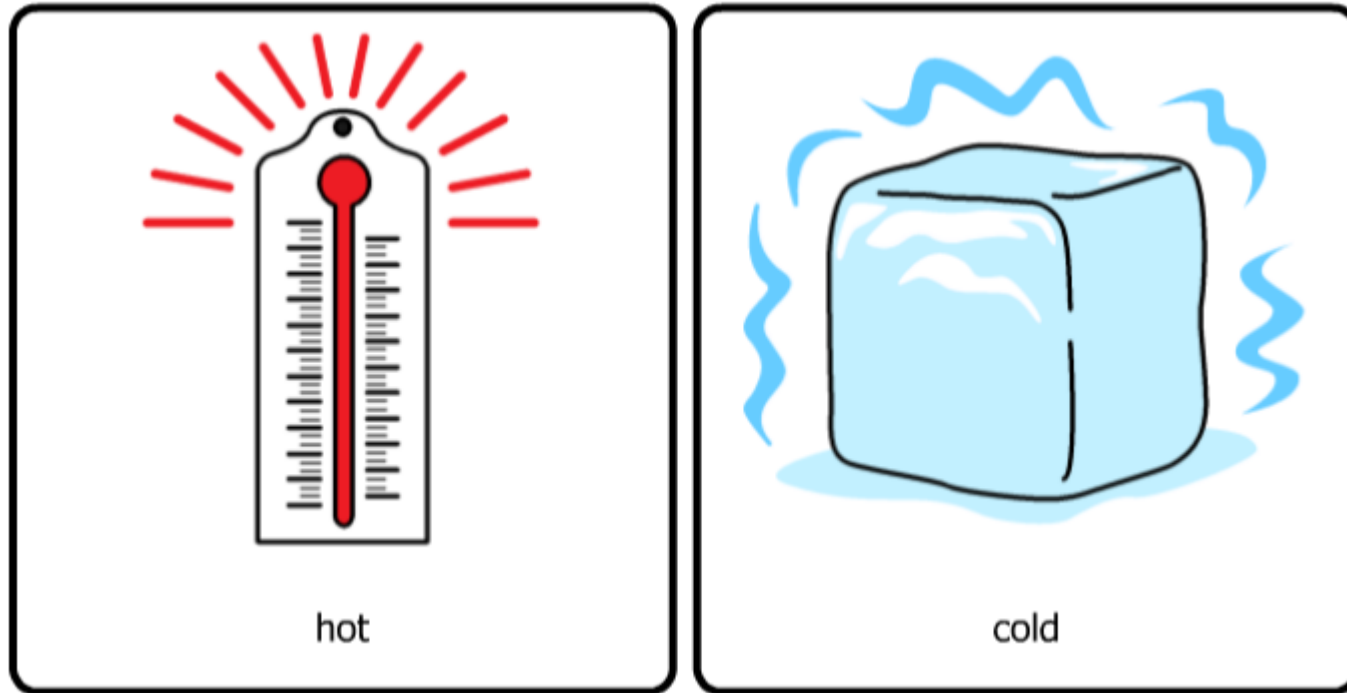


Here are some things that are *COLD*  
What one would you enjoy?

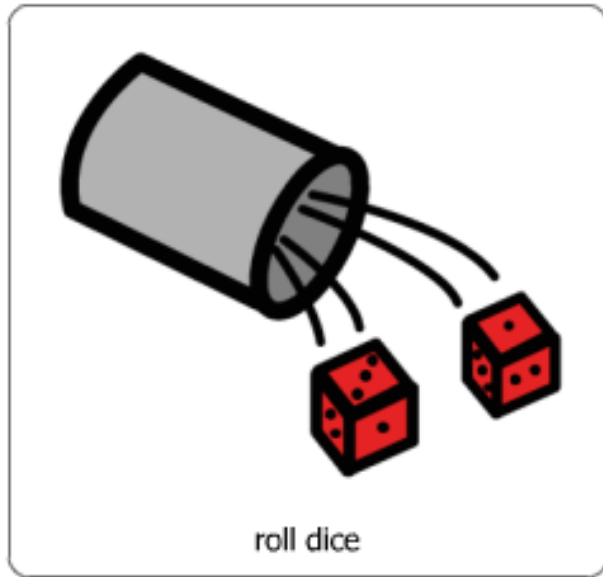
Find some things that are cold



Step 2: We are going to **sort** items that have the **same** temperatures.



# Roll the dice



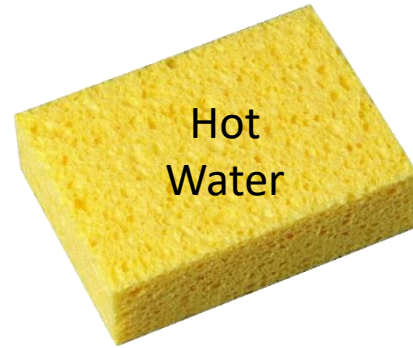
If you don't have a pocket dice then just pick an item from the pile of hot/cold items that you have collected

# What picture did you land on? Find it in the bin of items.

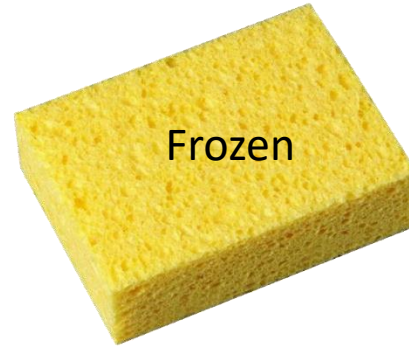
Frozen



Hot  
Water



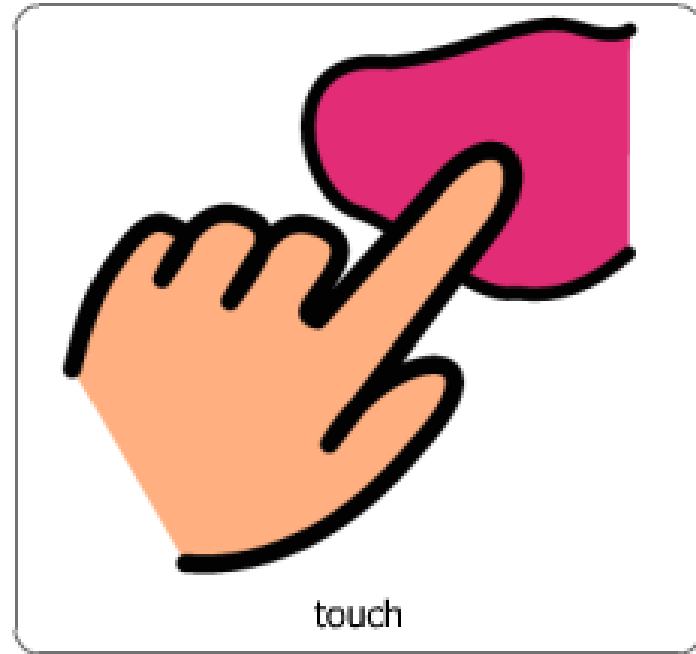
Frozen



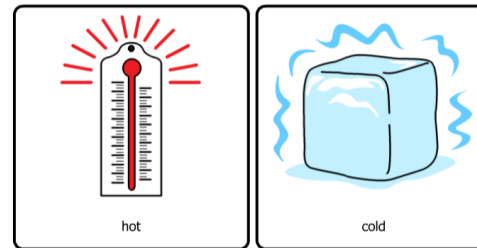
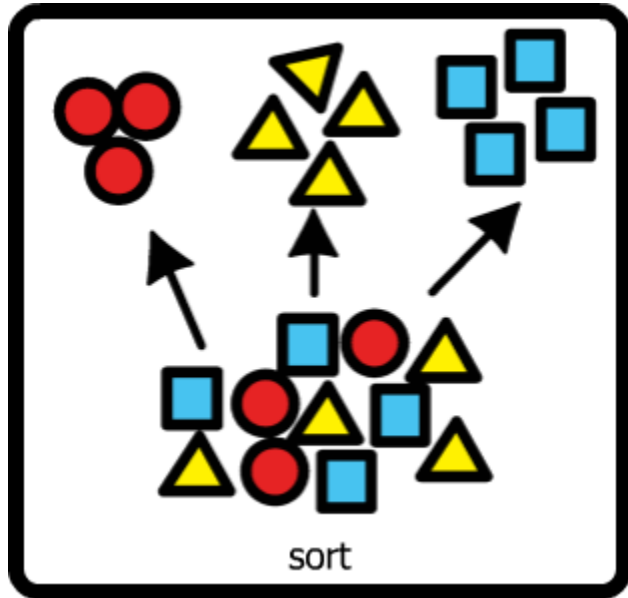
If you don't have a pocket dice then just pick an item from the pile of hot/cold items that you have collected



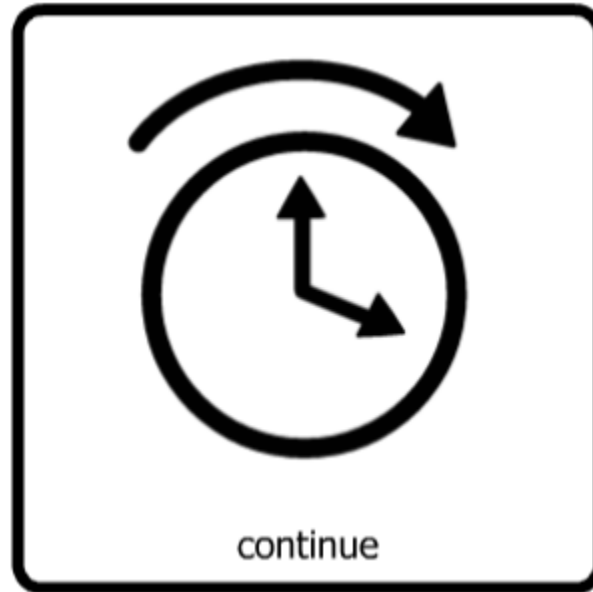
Pass the item around to each student and have them find the item, then have them identify if it is hot or cold (using vocabulary page)



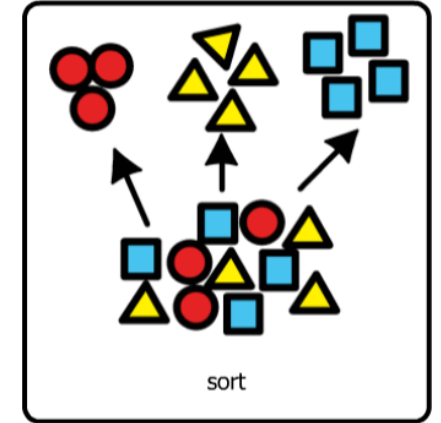
Sort the item into the correct bin- hot or cold



Repeat activity for several rounds until all items have been sorted.



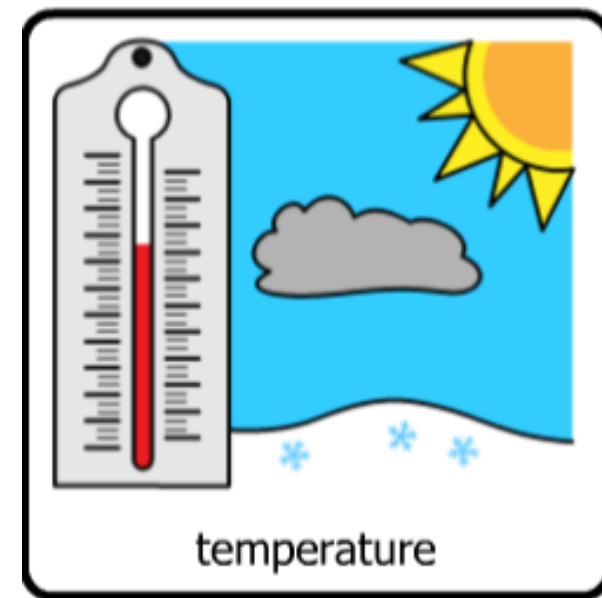
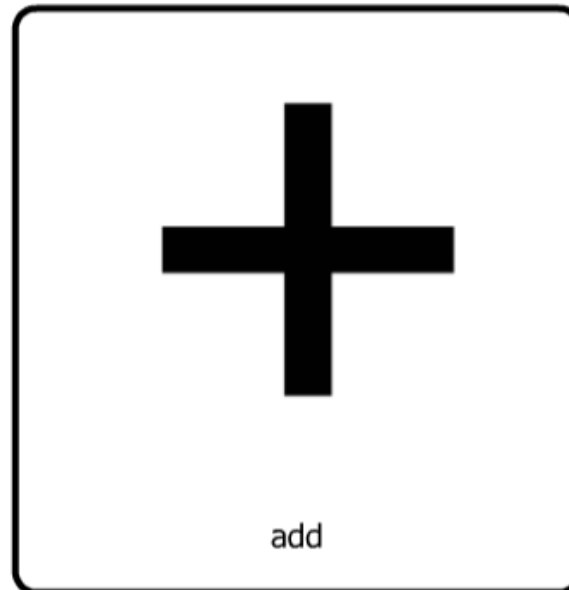
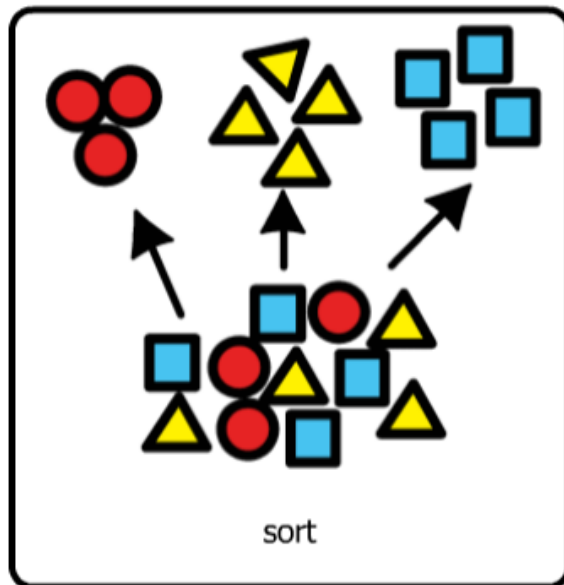
Today we learned about common items that are hot and cold temperatures. We sorted the items by hot and cold!



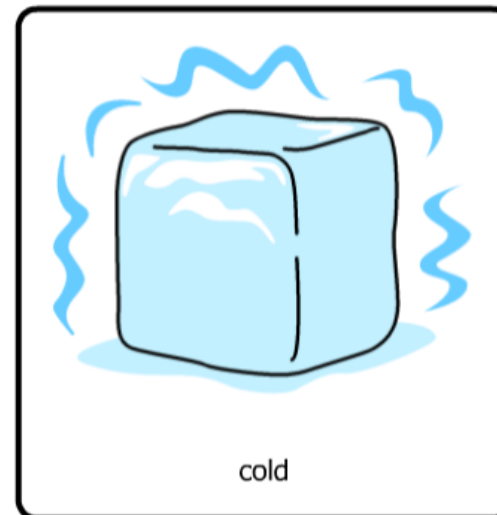
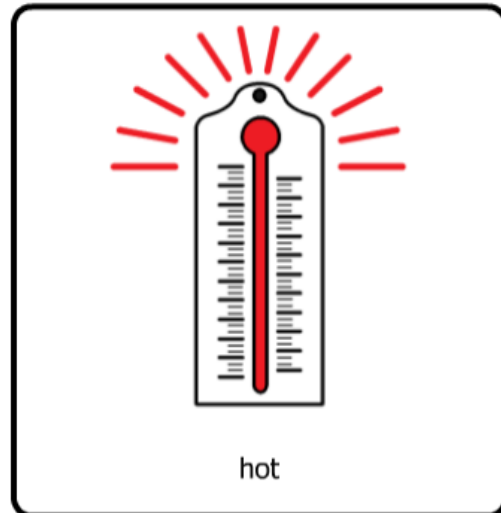


# Quiz Questions about today's lesson:

- What is it called when we separate items into groups?



Quiz Question: Is the item we are putting the cookies into **hot** or **cold**?



# We are ALL DONE!

- Teacher says “\_\_\_\_\_ is All Done! Time for \_\_\_\_\_!”
- Teacher says “Everyone check schedule!”
- Teacher changes the classroom schedule.
- Paras will assist individual students with checking schedules.

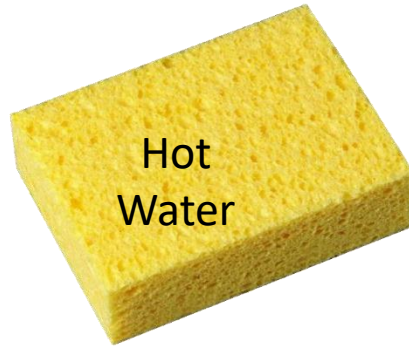


\*Print and put pictures in pocket dice

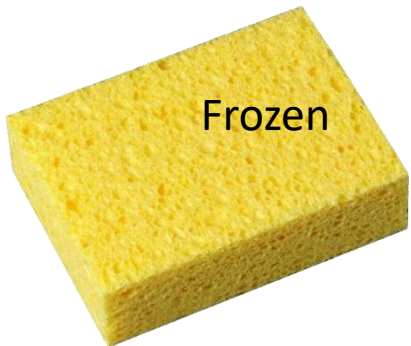
Frozen



Hot  
Water

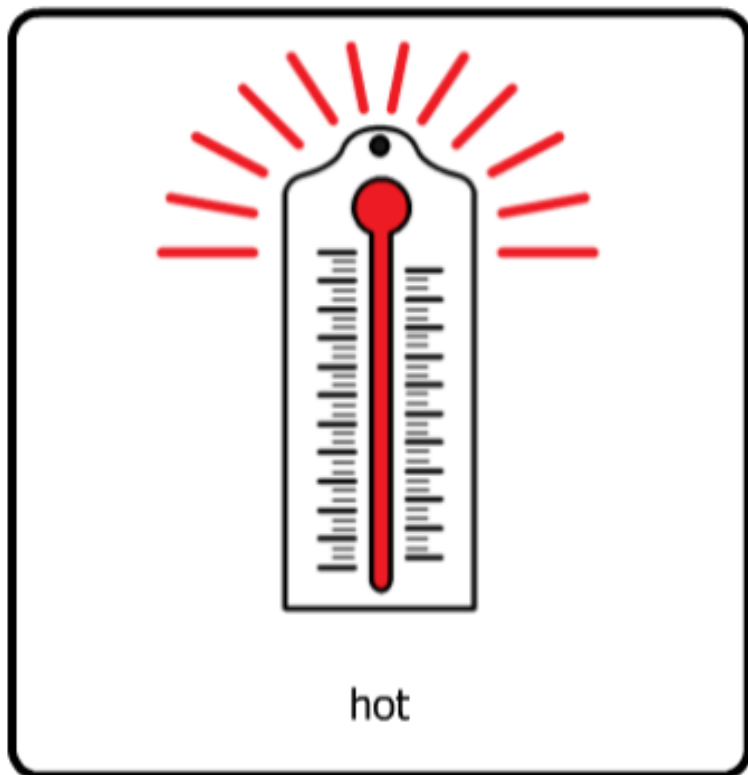


Frozen



# Its it hot or cold?

Print to help with communication





hot



cold

Labels for bins