KCS @ home

Summer Edition

Kindergarten Science

Activity 4

knoxschools.org/kcsathome

Kindergarten Science: Activity 4
Can heating and cooling matter cause a change in its state?

Directions: This handout can also accompany a KCSatHome Teacher Video. If you have access to the video, watch the video before doing this activity. You can find the videos at https://www.knoxschools.org/Page/21816

Background Information

In the KCS teacher video, we observed that heating and cooling matter leads to that matter changing its state. For example, when water is placed in the freezer, it turns to a solid called ice. When an ice cube is placed in a heated skillet, it turns to a liquid.

YOU are likely a "Changes in States of Matter Expert" and did not even know it! You have experienced these physical changes your entire life. That knowledge will help you predict what will happen to the following matter when it is heated or cooled. Will it change to a **solid** or **liquid**?

Changes in State of Matter

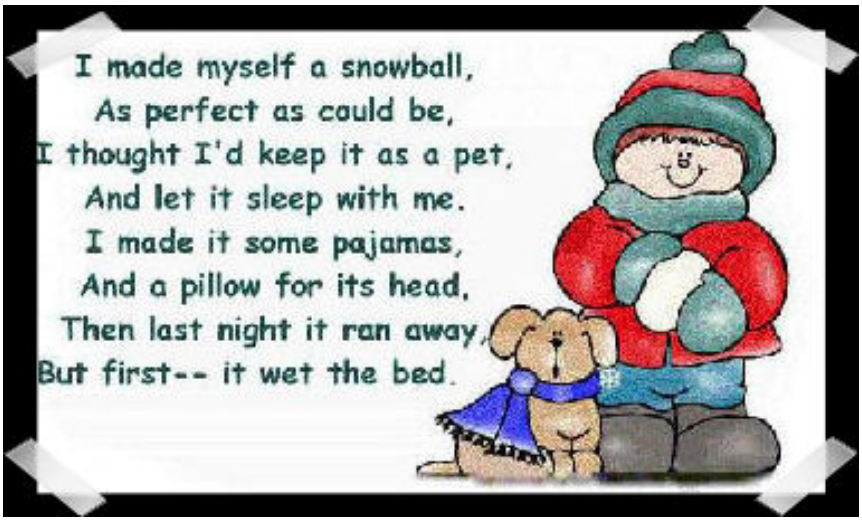
Below, decide whether the matter changes to a solid or to a liquid. Circle your response.

Matter (state)	Temperature Change	New State of Matter
 (solid)	 	solid liquid
 (liquid)	 	solid liquid
 (liquid)	 	solid liquid
 (solid)	 	solid liquid

Wow! That was awesome! Now think of one other example of a change in matter due to heating or cooling. I have given you some clues at the bottom of the page (if you need them) to help you.

Draw your example in the box below.

Incredible! You are so good at this! Read the poem written by Shel Silverstein. Explain to a family member why the snowball wet the bed.



THANKS for learning how temperature can affect the state of matter with me!! Now, go and spy other cool happenings in our world.