

Name:

Due Date: Term 4 Week 8

Stage 2 Science - Changes of State

Objective:

Students will explore and demonstrate their understanding of the changes of state in materials, specifically focusing on solid, liquid, and gas states.

Task Overview:

Students will conduct a simple experiment to observe a change of state, record their observations, and present their findings in a creative format.

Assessment Criteria:

- Understanding of the changes of state (demonstrated through observations and explanations).
- Creativity and clarity in the presentation format.
- Ability to reflect on the learning experience.

Instructions:

Choose an Experiment:

Select one of the following experiments related to changes of state:

- Melting Ice:** Observe how an ice cube changes from solid to liquid as it melts.
- Freezing Water:** Fill a small container with water and freeze it to observe how it changes from liquid to solid.
- Dissolving Sugar:** Mix sugar with water to observe how the sugar changes from solid to a solution.

1. Conduct the Experiment:

- a. Gather the materials needed for your chosen experiment.
- b. Follow the steps to conduct the experiment, and make sure to take notes on what you observe at each stage.

2. Record Your Observations:

- The initial state of the material (solid, liquid, gas)
- The process you used to change the state
- The final state of the material
- Any changes you noticed during the experiment (e.g., temperature changes, texture changes, etc.)

3. Make a poster demonstrating your findings

Select one of the following experiments related to changes of state:

- Melting Ice:** Observe how an ice cube changes from solid to liquid as it melts.
- Freezing Water:** Fill a small container with water and freeze it to observe how it changes from liquid to solid.
- Dissolving Sugar:** Mix sugar with water to observe how the sugar changes from solid to a solution.

What are you going to investigate?

Can you write it as a question?

What do you predict will happen? Why?

What equipment will you need?

-
-
-
-
-

Describe how you will set up your investigation

Step 1
Step 2
Step 3
Step 4
Step 5

Write and draw your observations



Reflection:

- List two interesting things you learnt about changes of state and why they were interesting.
 - 1.
 - 2.

- What challenges did you face when conducting the experiment?
 -

 -

Create a Presentation:

Present your findings:

- A poster that includes:
 - Title of your experiment
 - Materials used
 - Observations recorded
 - Drawings or photos of each stage