

Formative Assessment #2

**Concept(s)
Assessed**

The properties of matter may change when heat is added or taken away. Matter changes state, yet remains the same substance.

Time

30 minutes

Materials

Individual

Prompt

Advance

Preparation

1. Duplicate prompt for each student

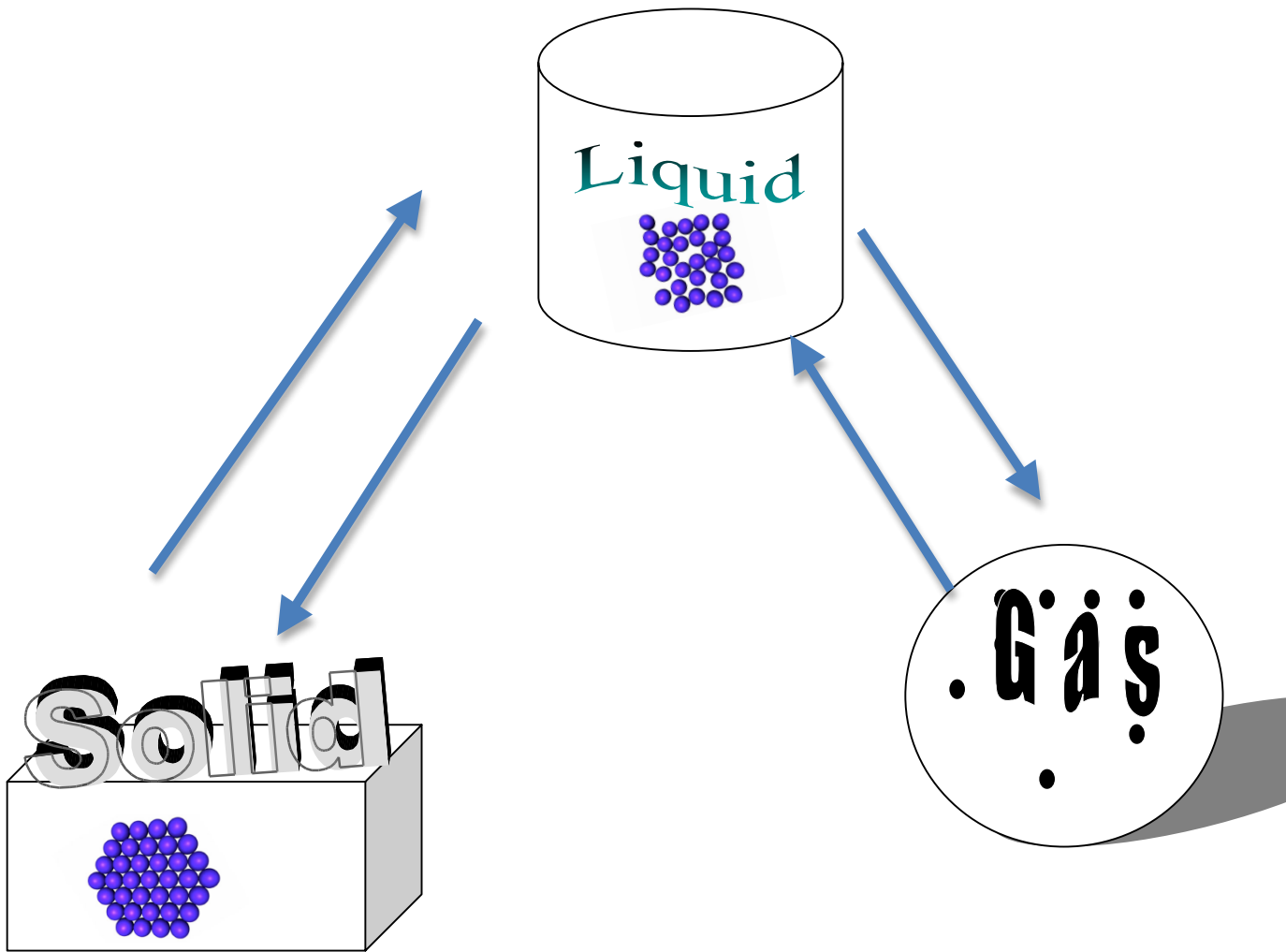
Procedure:

1. Tell students they will have an opportunity to share what they understand about matter and how it changes when heat is added or taken away.
2. Distribute the prompt to each student and ask him/her to do his/her best work.

Prompt:
CHANGING STATES OF MATTER

Matter can change from one state to another if energy (heat) is added or removed..

Directions: Label each arrow with the following: add heat or remove heat. You may add other vocabulary words to the diagram, for example, melting, freezing, evaporating, or condensing.

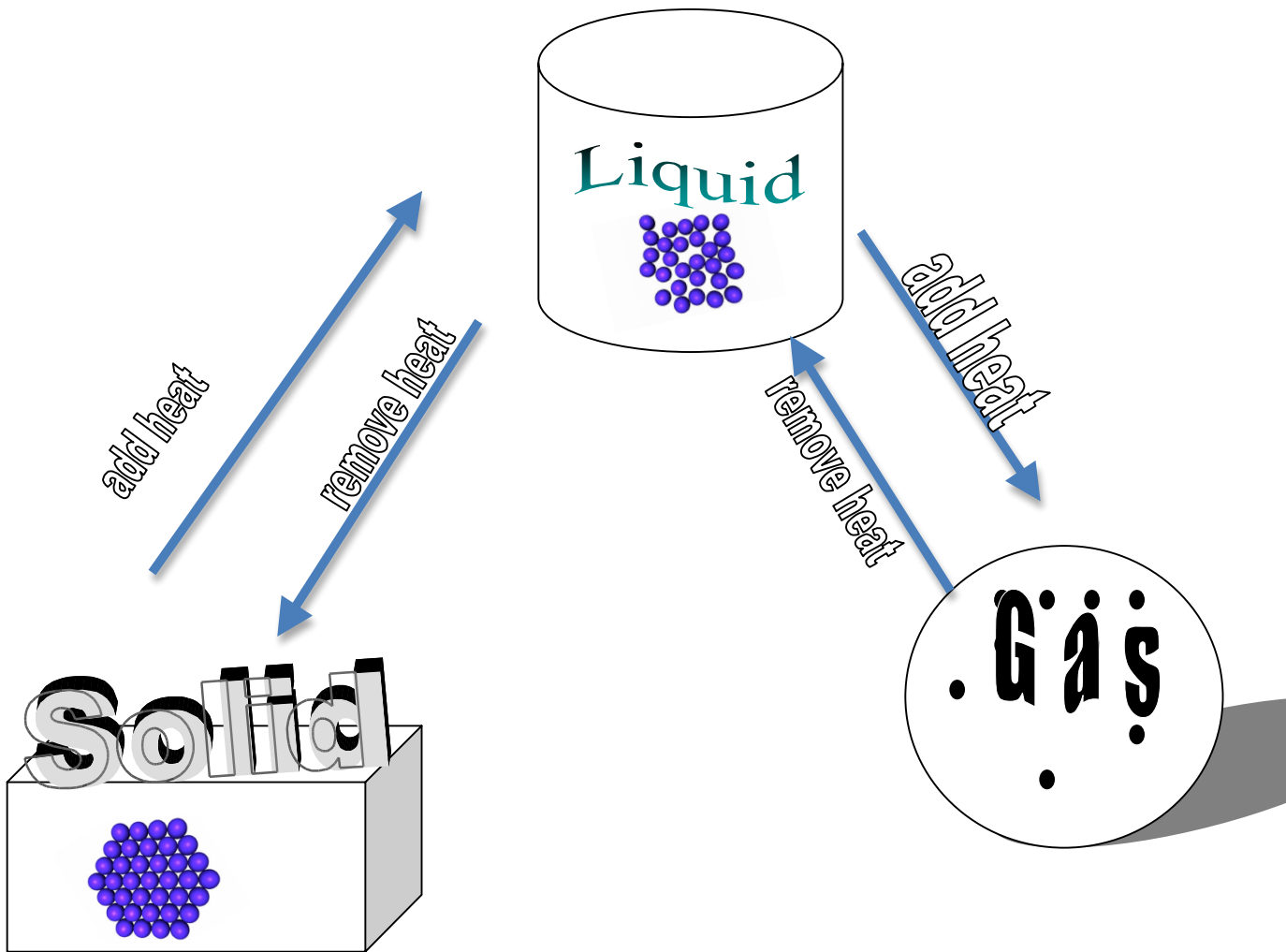


2) Describe at least two physical changes. You may include a picture to help explain your answer.

Formative Assessment #2
Expected Student Response for a High Level Response
CHANGING STATES OF MATTER

Matter can change from one state to another if energy (heat) is added or removed.

Directions: Label each arrow with the following: add heat or remove heat. You may add other vocabulary words to the diagram, for example, melting, freezing, evaporating, or condensing.



2) Describe at least two physical changes. You may include a picture to help explain your answer.

Paper tearing is an example of a physical change because the material is still paper just in smaller pieces.

When water freezes, it is a physical change, because the substance is still water just in a different state.