

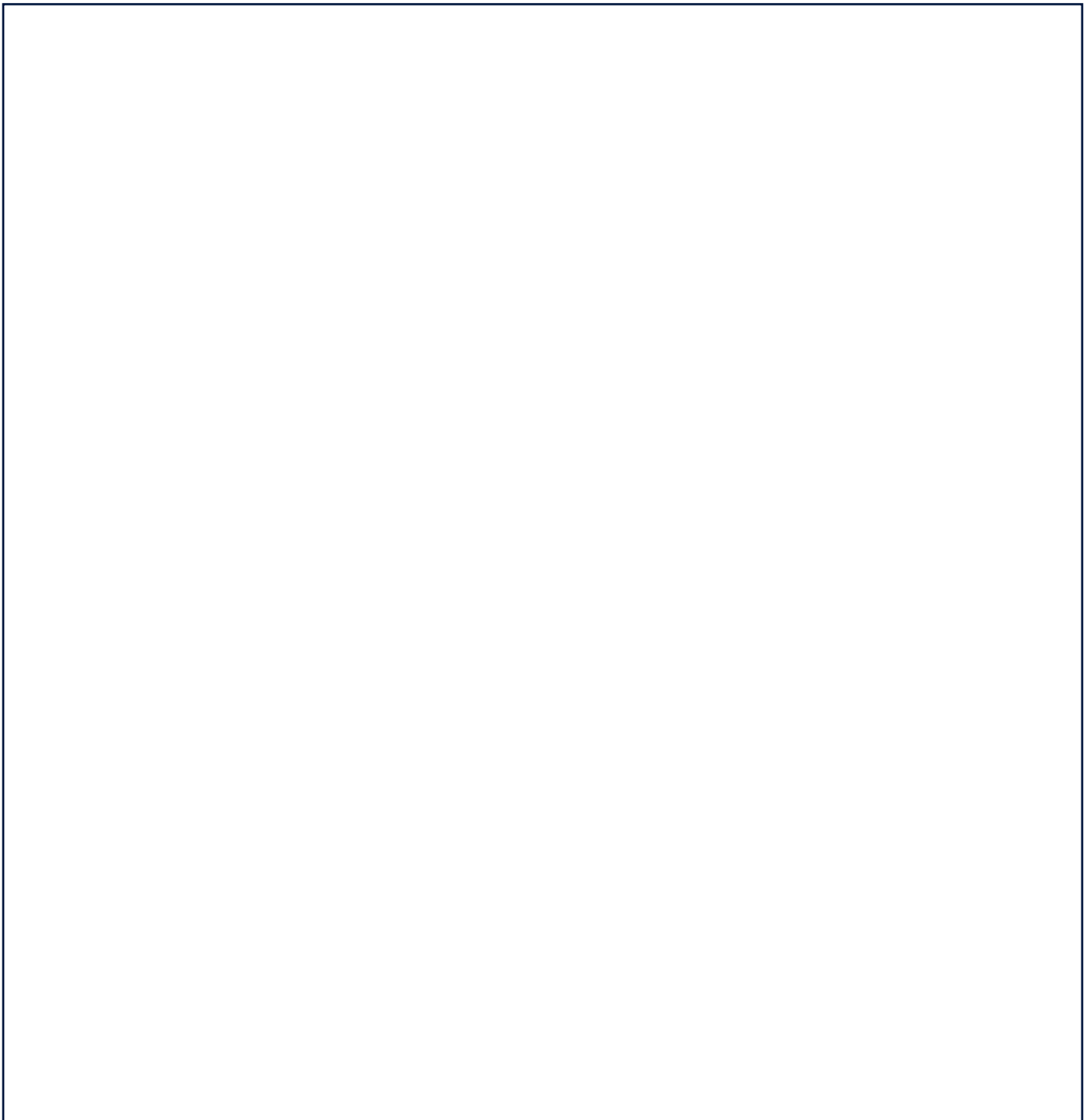
Name: \_\_\_\_\_

# Playing on Ice

GRADES 3-5

## Elaborate

Create a diagram that demonstrates the change from a liquid to a solid. Use lines, arrows, boxes, and circles to clearly describe this change.

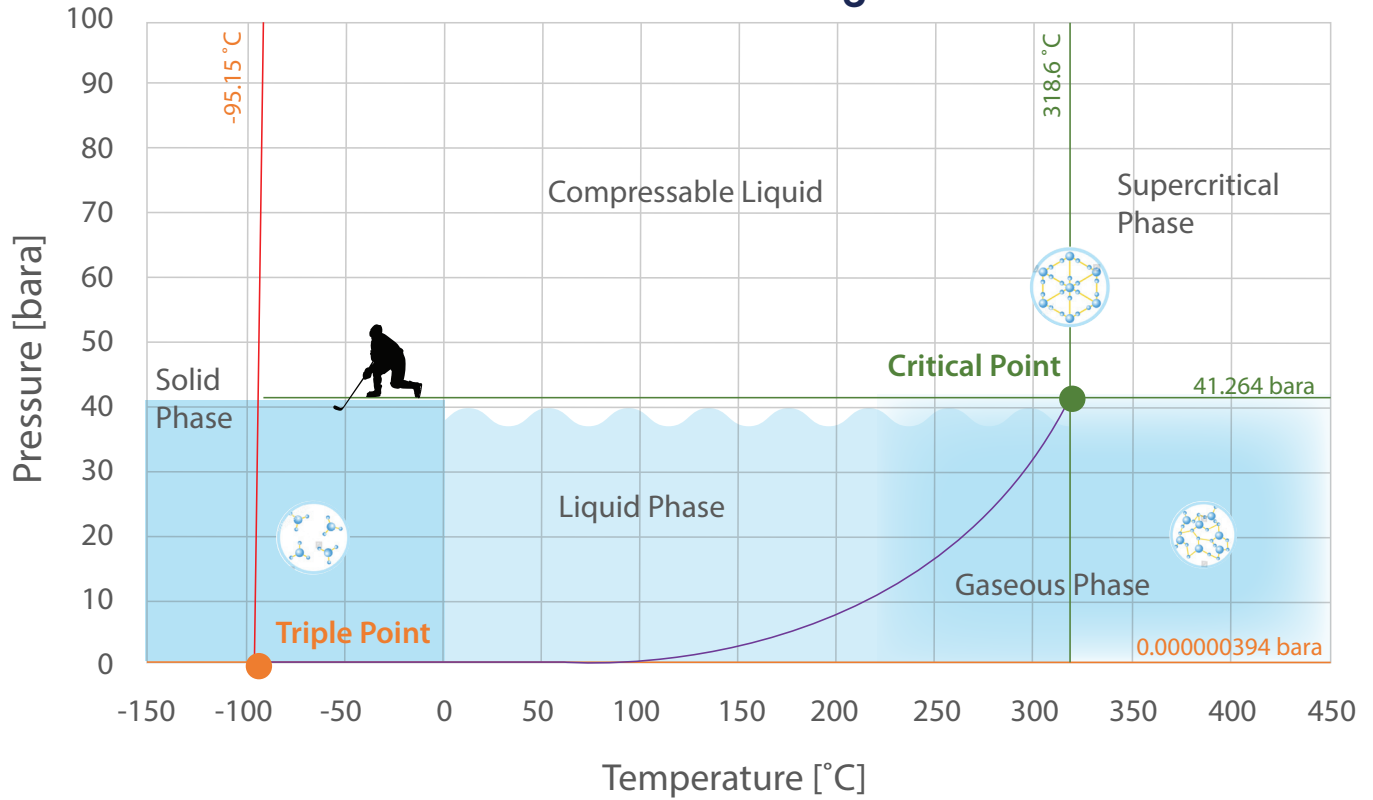


Name: \_\_\_\_\_

# Playing on Ice

GRADES 3-5

## Toluene Phase Diagram



Name: \_\_\_\_\_

# Playing on Ice

GRADES 3-5

## Evaluate

Fill in the blanks to determine the best playing surface for ice hockey.

1. When water reaches its freezing point, molecules form a definitive structure known as a \_\_\_\_\_ structure. (Molecular or Proton)
2. The temperature to play ice hockey must be at least: \_\_\_\_\_ °C / \_\_\_\_\_ °F
3. Before changing to ice, it is this state of matter \_\_\_\_\_. (Solid or Liquid)
4. To play on the ice, it must be in this state of matter \_\_\_\_\_. (Liquid or Solid)
5. Based on the images from the *Explore* section, as well as your diagram that demonstrates the change from a liquid to a solid, why do you think this reaction occurs on ice? Please explain your answer.